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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:41 ; Search time 109.73 seconds
(without alignments)
4.377 Million cell updates/sec

Title: US-09-518-931-4_COPY_142_166
Perfect score: 141
Sequence: 1 GESWARGAPRSGRGRCGRQVAGP 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfiles!.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|--------------------|
| 1 | 55.5 | 39.4 | 181 | 2 | US-08-726-306A-56 |
| 2 | 53 | 37.6 | 461 | 1 | US-08-194-338-4 |
| 3 | 51 | 36.2 | 470 | 2 | US-08-933-821-6 |
| 4 | 51 | 36.2 | 470 | 3 | US-08-960-507-6 |
| 5 | 50.5 | 35.8 | 594 | 2 | US-08-785-310A-6 |
| 6 | 48 | 34.0 | 40 | 2 | US-08-726-306A-48 |
| 7 | 47.5 | 33.7 | 412 | 1 | US-08-349-696-21 |
| 8 | 47.5 | 33.7 | 412 | 1 | US-08-233-009-21 |
| 9 | 47.5 | 33.7 | 412 | 2 | US-08-560-231-21 |
| 10 | 47.5 | 33.7 | 412 | 4 | US-09-080-704A-21 |
| 11 | 47 | 33.3 | 318 | 4 | US-09-060-756-727 |
| 12 | 46.5 | 33.0 | 1958 | 1 | US-07-945-283-2 |
| 13 | 46 | 32.6 | 223 | 1 | US-07-667-276A-10 |
| 14 | 46 | 32.6 | 581 | 4 | US-09-135-021-80 |
| 15 | 46 | 32.6 | 676 | 4 | US-09-135-021-2 |
| 16 | 45.5 | 32.3 | 714 | 2 | US-08-990-114-3 |
| 17 | 45 | 31.9 | 334 | 4 | US-09-060-756-728 |
| 18 | 45 | 31.9 | 928 | 1 | US-08-442-248-2 |
| 19 | 45 | 31.9 | 928 | 1 | US-08-440-815-2 |
| 20 | 45 | 31.9 | 1005 | 2 | US-08-469-537A-103 |
| 21 | 45 | 31.9 | 1345 | 2 | US-08-977-767-3 |
| 22 | 44.5 | 31.6 | 53 | 3 | US-08-897-924A-10 |
| 23 | 44.5 | 31.6 | 56 | 3 | US-08-897-924A-2 |
| 24 | 44.5 | 31.6 | 58 | 3 | US-08-897-924A-9 |
| 25 | 44.5 | 31.6 | 67 | 3 | US-08-897-924A-8 |
| 26 | 44.5 | 31.6 | 210 | 1 | US-08-464-590A-14 |
| 27 | 44.5 | 31.6 | 210 | 2 | US-08-207-412B-9 |

| | | | | | | |
|----|------|------|-----|---|-------------------|-------------------|
| 28 | 44.5 | 31.6 | 210 | 4 | US-09-093-585-14 | Sequence 14, Appl |
| 29 | 44.5 | 31.6 | 226 | 1 | US-07-828-798C-7 | Sequence 7, Appl |
| 30 | 44.5 | 31.6 | 226 | 2 | US-08-315-868A-7 | Sequence 7, Appl |
| 31 | 44.5 | 31.6 | 226 | 3 | US-08-495-819B-7 | Sequence 7, Appl |
| 32 | 44.5 | 31.6 | 246 | 1 | US-07-828-798C-6 | Sequence 6, Appl |
| 33 | 44.5 | 31.6 | 246 | 2 | US-08-315-868A-6 | Sequence 6, Appl |
| 34 | 44.5 | 31.6 | 246 | 3 | US-08-495-819B-6 | Sequence 6, Appl |
| 35 | 44.5 | 31.6 | 266 | 1 | US-08-812-025-10 | Sequence 10, Appl |
| 36 | 44.5 | 31.6 | 266 | 4 | US-07-791-931-10 | Sequence 10, Appl |
| 37 | 44 | 31.2 | 243 | 1 | US-08-021-608D-6 | Sequence 6, Appl |
| 38 | 44 | 31.2 | 243 | 1 | US-08-726-160-6 | Sequence 6, Appl |
| 39 | 44 | 31.2 | 243 | 5 | PCT-US94-01782-6 | Sequence 6, Appl |
| 40 | 44 | 31.2 | 590 | 1 | US-08-021-608D-8 | Sequence 8, Appl |
| 41 | 44 | 31.2 | 590 | 1 | US-08-726-160-8 | Sequence 8, Appl |
| 42 | 44 | 31.2 | 590 | 5 | PCT-US94-01782-8 | Sequence 8, Appl |
| 43 | 44 | 31.2 | 643 | 1 | US-08-021-608D-10 | Sequence 10, Appl |
| 44 | 44 | 31.2 | 643 | 1 | US-08-726-160-10 | Sequence 10, Appl |
| 45 | 44 | 31.2 | 643 | 5 | PCT-US94-01782-10 | Sequence 10, Appl |

ALIGNMENTS

RESULT 1
US-08-726-306A-56
; Sequence 56, Application US/08726306A
; Patent No. 5958684
; GENERAL INFORMATION:
; APPLICANT: van Leeuwen, Frederik Willem
; APPLICANT: Burbach, Johannes Peter Henrl
; APPLICANT: Grosveld, Franklin G.
; TITLE OF INVENTION: DIAGNOSIS METHOD AND REAGENTS
; NUMBER OF SEQUENCES: 189
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1 Financial Center
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Wordperfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/726,306A
; FILING DATE: 02-Oct-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 95/20080.4
; FILING DATE: 02-Oct-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/009,832
; FILING DATE: 01-Jan-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams, Ph.D., Kathleen M.
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: 96,048-A (3255/00784)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 345-9100
; TELEFAX: (617) 345-9111
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 181 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-726-306A-56

Query Match 39.4%; Score 55.5; DB 2; Length 181;
Best Local Similarity 57.1%; Pred. No. 2.8;

Matches 12; Conservative 1; Mismatches 7; Indels 1; Gaps 1;

QY 6 RGGAPRSGGRC-GRQVAGP 25
||| ||:| | ||| ||
Db 99 RGGPRAGALRAGRGAGP 119

RESULT 2

US-08-194-338-4
; Sequence 4, Application US/08194338
; Patent No. 5474898
; GENERAL INFORMATION:
; APPLICANT: Venter, John C.
; APPLICANT: Fraser, Claire M.
; APPLICANT: McCombie, William R.
; TITLE OF INVENTION: OCTOPAMINE RECEPTOR
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson and Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/194,338
; FILING DATE: 08-FEB-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/676,174
; FILING DATE: 28-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH101.001DV1
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 461 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-08-194-338-4

Query Match 37.6%; Score 53; DB 1; Length 461;
Best Local Similarity 39.5%; Pred. No. 14;
Matches 17; Conservative 1; Mismatches 5; Indels 20; Gaps 3;

QY 3 SWA-----RGAP----RSGRRRCR-----GQVAGP 25
||| |||| | ||| | ||| ||
Db 282 TWARTAAQRPGGAPGLRRGRRRAGAGGAGGAGDGAGP 324

RESULT 3

US-08-933-821-6
; Sequence 6, Application US/08933821
; Patent No. 5972338
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; TITLE OF INVENTION: Tie Ligands

; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/933,821
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: P1130
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-3216
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 470 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-933-821-6

Query Match 36.2%; Score 51; DB 2; Length 470;
Best Local Similarity 81.8%; Pred. No. 24;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GESWARGGAPR 11
| |||| ||||
Db 16 GASWARAGAPR 26

RESULT 4

US-08-960-507-6
; Sequence 6, Application US/08960507
; Patent No. 6057435
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; TITLE OF INVENTION: Tie Ligands
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/960,507
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Ginger R.
; REGISTRATION NUMBER: 33,055
; REFERENCE/DOCKET NUMBER: P1130p1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-3216
; TELEFAX: 650/952-9881

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 470 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-960-507-6

Query Match 36.2%; Score 51; DB 3; Length 470;
Best Local Similarity 81.8%; Pred. No. 24;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GESWARGGAPR 11
Db 16 GASWARAGAPR 26

RESULT 5
US-08-785-310A-6
Sequence 6, Application US/08785310A
Patent No. 5840532

GENERAL INFORMATION:
APPLICANT: McKnight, Steven L.
APPLICANT: Russell, David W.
TITLE OF INVENTION: Neuronal PAS Domain Protein
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785.310A
FILING DATE: 21-JAN-1997
CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UTSD:1226
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 594 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-785-310A-6

Query Match 35.8%; Score 50.5; DB 2; Length 594;
Best Local Similarity 61.1%; Pred. No. 35;
Matches 11; Conservative 2; Mismatches 2; Indels 3; Gaps 1;

Qy 10 PRSGGR---RCGRGOVAG 24
Db 6 PRSGGRGEVKCGGRGAG 23

RESULT 6
US-08-726-306A-48
Sequence 48, Application US/08726306A
Patent No. 5958684
GENERAL INFORMATION:

APPLICANT: van Leeuwen, Frederik Willem
APPLICANT: Burbach, Johannes Peter Henri
APPLICANT: Grosveld, Franklin G.
TITLE OF INVENTION: DIAGNOSIS METHOD AND REAGENTS
NUMBER OF SEQUENCES: 189
CORRESPONDENCE ADDRESS:
ADDRESSEE: Banner & Witcoff, Ltd.
STREET: 1 Financial Center
CITY: Boston
STATE: MA
COUNTRY: US
ZIP: 02111

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/726.306A
FILING DATE: 02-Oct-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 95/20080.4
FILING DATE: 02-Oct-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/009,832
FILING DATE: 01-Jan-1996

ATTORNEY/AGENT INFORMATION:
NAME: Williams, Ph.D., Kathleen M.
REGISTRATION NUMBER: 34,380
REFERENCE/DOCKET NUMBER: 96,048-A (3255/00784)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 345-9100
TELEFAX: (617) 345-9111

INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 40 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-726-306A-48

Query Match 34.0%; Score 48; DB 2; Length 40;
Best Local Similarity 47.6%; Pred. No. 6.2;
Matches 10; Conservative 2; Mismatches 7; Indels 2; Gaps 1;

Qy 4 WARG--GAPRGGRRRCGRGQV 22
Db 2 WGRGKEGMOGEGRRRGEGKI 22

RESULT 7
US-08-349-696-21
Sequence 21, Application US/08349696
Patent No. 5599671
GENERAL INFORMATION:
APPLICANT: Jacobson, Marlene A
APPLICANT: Johnson, Robert G
APPLICANT: Luneau, Christopher J
APPLICANT: Salvatore, Christopher A
TITLE OF INVENTION: Human Adenosine Receptors
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000
CITY: Rahway
STATE: NJ
COUNTRY: United States
ZIP: 07065

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh IICx

OPERATING SYSTEM: Macintosh
SOFTWARE: Microsoft Word 5.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/349,696
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: us/08/005945
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Meredith, Roy D.
REGISTRATION NUMBER: 30,777
REFERENCE/DOCKET NUMBER: 18699IA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-4678
TELEFAX: (908)594-4720
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 412 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-349-696-21

Query Match 33.7%; Score 47.5; DB 1; Length 412;
Best Local Similarity 43.5%; Pred. No. 60;
Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

QY 4 WARGAPRSG---GRRCGRGQVA 23
| | | | : | | | |
Db 143 WNNCGQPKGKNGHSGCGEGQVA 165

RESULT 8
US-08-233-009-21
Sequence 21, Application US/08233009
Patent No. 5646156
GENERAL INFORMATION:
APPLICANT: Jacobson, Marlene A
APPLICANT: Johnson, Robert G
TITLE OF INVENTION: INHIBITION OF EOSINOPHIL
TITLE OF INVENTION: ACTIVATION THROUGH A3 ADENOSINE RECEPTOR ANTAGONISM
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000
CITY: Rahway
STATE: New Jersey
COUNTRY: United States
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/233,009
FILING DATE: 25-APR-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Bencen, Gerard H
REGISTRATION NUMBER: 35,746
REFERENCE/DOCKET NUMBER: 19219
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 594-3901
TELEFAX: (908)594-4720
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 412 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
US-08-233-009-21

Query Match 33.7%; Score 47.5; DB 1; Length 412;
Best Local Similarity 43.5%; Pred. No. 60;
Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

QY 4 WARGAPRSG---GRRCGRGQVA 23
| | | | : | | | |
Db 143 WNNCGQPKGKNGHSGCGEGQVA 165

RESULT 9
US-08-560-231-21
Sequence 21, Application US/08560231
Patent No. 5817760
GENERAL INFORMATION:
APPLICANT: Jacobson, Marlene A
APPLICANT: Johnson, Robert G
APPLICANT: Luneau, Christopher J
APPLICANT: Salvatore, Christopher A
TITLE OF INVENTION: Human Adenosine Receptors
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merck & Co., Inc.
STREET: P.O. Box 2000
CITY: Rahway
STATE: NJ
COUNTRY: United States
ZIP: 07065
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh Iici
OPERATING SYSTEM: Macintosh
SOFTWARE: Microsoft Word 5.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/560,231
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Meredith, Roy D.
REGISTRATION NUMBER: 30,777
REFERENCE/DOCKET NUMBER: 18699IA
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908)594-4678
TELEFAX: (908)594-4720
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 412 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-560-231-21

Query Match 33.7%; Score 47.5; DB 2; Length 412;
Best Local Similarity 43.5%; Pred. No. 60;
Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

QY 4 WARGAPRSG---GRRCGRGQVA 23
| | | | : | | | |
Db 143 WNNCGQPKGKNGHSGCGEGQVA 165

RESULT 10
US-09-080-704A-21
Sequence 21, Application US/09080704A

Patent No. 6166181
 GENERAL INFORMATION:
 APPLICANT: Jacobson, Marlene A
 APPLICANT: Johnson, Robert G
 APPLICANT: Luneau, Christopher J
 APPLICANT: Salvatore, Christopher A
 TITLE OF INVENTION: Human Adenosine Receptors
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merck & Co., Inc.
 STREET: P.O. Box 2000
 CITY: Rahway
 STATE: NJ
 COUNTRY: United States
 ZIP: 07065

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: Windows NT
 SOFTWARE: Word 97
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/080,704A
 FILING DATE: 18 May 1998
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Parr, Richard S.
 REGISTRATION NUMBER: 32,586
 REFERENCE/DOCKET NUMBER: 18699DB
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (732)594-4958
 TELEFAX: (732)594-4720
 INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 412 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-080-704A-21

Query Match 33.7%; Score 47.5; DB 4; Length 412;
 Best Local Similarity 43.5%; Pred. No. 60;
 Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

QY 4 WARGAPRSG--GRCGRGOVA 23
 Db 143 WNCGPKEGKNSQGGEGQVA 165

RESULT 11
 US-09-060-756-727
 Sequence 727, Application US/09060756
 Patent No. 6183957
 GENERAL INFORMATION:
 APPLICANT: Cole, Stewart
 APPLICANT: Buchrieser-Brosch, Roland
 APPLICANT: Gordon, Stephen
 APPLICANT: Billault, Alain
 TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
 TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
 FILE REFERENCE: 3495-0169
 CURRENT APPLICATION NUMBER: US/09/060,756
 CURRENT FILING DATE: 1998-04-16
 NUMBER OF SEQ ID NOS: 743
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 727
 LENGTH: 318
 TYPE: PRT
 ORGANISM: Mycobacterium sp.

US-09-060-756-727

Query Match 33.3%; Score 47; DB 4; Length 318;
 Best Local Similarity 42.9%; Pred. No. 54;
 Matches 9; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 4 WARGAPRSGRRRCGRGOVAG 24
 Db 58 WCTGGAGGAGSSAGGGAGG 78

RESULT 12
 US-07-945-283-2
 Sequence 2, Application US/07945283
 Patent No. 5352596
 GENERAL INFORMATION:
 APPLICANT: Cheung, Andrew K.
 APPLICANT: Wesley, Ronald D.
 TITLE OF INVENTION: Pseudorabies Virus Deletion Mutants
 TITLE OF INVENTION: Involving The EP0 and LLT Genes
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Curtis P. Ribando
 STREET: 1815 No. 5352596th University Street
 CITY: Peoria
 STATE: IL
 COUNTRY: USA
 ZIP: 61604
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/945,283
 FILING DATE: 19920911
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Ribando, Curtis P
 REGISTRATION NUMBER: 27976
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 309-685-4011 ext.513
 TELEFAX: 309-685-4128
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1958 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-07-945-283-2

Query Match 33.0%; Score 46.5; DB 1; Length 1958;
 Best Local Similarity 62.5%; Pred. No. 3.3e+02;
 Matches 10; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

QY 7 GGAPRSGRRRCGRGOV 22
 Db 1683 GGCP-GGGGRAGREV 1697

RESULT 13
 US-07-667-276A-10
 Sequence 10, Application US/07667276A
 Patent No. 5470971
 GENERAL INFORMATION:
 APPLICANT: Kondo, Keiji
 APPLICANT: Inouye, Masayori
 TITLE OF INVENTION: STRESS-INDUCED PROTEINS, GENES CODING
 TITLE OF INVENTION: THEREFOR, TRANSFORMED CELLS OF ORGANISMS, METHODS AND
 TITLE OF INVENTION: APPLICATIONS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Weiser & Associates

STREET: 230 S. Fifteenth Street, Suite 500
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/667,276A
FILING DATE: 11-MAR-1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weiser, Gerard J.
REGISTRATION NUMBER: 19,763
REFERENCE/DOCKET NUMBER: 377,5351P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-875-8383
TELEFAX: 215-875-8394
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-07-667-276A-10

Query Match 32.6%; Score 46; DB 1; Length 223;
Best Local Similarity 45.8%; Pred. No. 53;
Matches 11; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 GESWARGGAPRSGGRRRCRGQVAG 24
Db 168 GRGGGGGFGGGRGGGGRGGFGG 191

RESULT 14
US-09-135-021-80
; Sequence 80, Application US/09135021A
; Patent No. 6150104
; GENERAL INFORMATION:
; APPLICANT: Splawski, Igor
; APPLICANT: Keating, Mark T.
; TITLE OF INVENTION: A HOMOZYGOUS MUTATION IN KVLQ1 WHICH CAUSES JERVELL
; FILE REFERENCE: 2323-128
; CURRENT APPLICATION NUMBER: US/09/135,021A
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/874,655
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/094,477
; EARLIER FILING DATE: 1998-07-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 80
; LENGTH: 581
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-135-021-80

Query Match 32.6%; Score 46; DB 4; Length 581;
Best Local Similarity 37.9%; Pred. No. 1.3e+02;
Matches 11; Conservative 2; Mismatches 12; Indels 4; Gaps 1;

QY 1 GESWARGGAPRSGG----RRCGRGQVAGP 25
Db 527 GSTPGSGGPPREGGAHITPCGSGGSVDP 555

RESULT 15
US-09-135-021-2
; Sequence 2, Application US/09135021A
; Patent No. 6150104
; GENERAL INFORMATION:
; APPLICANT: Splawski, Igor
; APPLICANT: Keating, Mark T.
; TITLE OF INVENTION: A HOMOZYGOUS MUTATION IN KVLQ1 WHICH CAUSES JERVELL
; FILE REFERENCE: 2323-128
; CURRENT APPLICATION NUMBER: US/09/135,021A
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/874,655
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/094,477
; EARLIER FILING DATE: 1998-07-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 676
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-135-021-2

Query Match 32.6%; Score 46; DB 4; Length 676;
Best Local Similarity 37.9%; Pred. No. 1.4e+02;
Matches 11; Conservative 2; Mismatches 12; Indels 4; Gaps 1;

QY 1 GESWARGGAPRSGG----RRCGRGQVAGP 25
Db 622 GSTPGSGGPPREGGAHITPCGSGGSVDP 650

Search completed: May 23, 2001, 15:56:56
Job time: 189 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:37 ; Search time 109.73 seconds
(without alignments)
2.101 Million cell updates/sec

Title: US-09-518-931-4_COPY_108_119
Perfect score: 73
Sequence: 1 THNRACRCRTGF 12

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 73 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 49 | 67.1 | 401 | 3 | US-08-974-022-6 |
| 3 | 49 | 67.1 | 401 | 4 | US-09-042-785A-12 |
| 4 | 47 | 64.4 | 207 | 3 | US-08-974-022-47 |
| 5 | 47 | 64.4 | 325 | 1 | US-08-292-549-2 |
| 6 | 47 | 64.4 | 325 | 4 | US-09-042-785A-9 |
| 7 | 47 | 64.4 | 325 | 5 | PCT-US91-02207-2 |
| 8 | 47 | 64.4 | 401 | 3 | US-08-974-022-2 |
| 9 | 47 | 64.4 | 401 | 3 | US-08-974-022-4 |
| 10 | 47 | 64.4 | 401 | 4 | US-09-042-785A-13 |
| 11 | 46 | 63.0 | 355 | 1 | US-08-292-549-6 |
| 12 | 46 | 63.0 | 4544 | 1 | US-08-469-486-52 |
| 13 | 46 | 63.0 | 4544 | 2 | US-08-469-658-52 |
| 14 | 44 | 60.3 | 685 | 4 | US-08-872-855-2 |
| 15 | 43 | 58.9 | 191 | 3 | US-08-974-022-52 |
| 16 | 43 | 58.9 | 256 | 5 | US-08-236-918A-6 |
| 17 | 43 | 58.9 | 256 | 5 | PCT-US96-03965-2 |
| 18 | 41 | 56.2 | 713 | 4 | US-08-872-855-5 |
| 19 | 40 | 54.8 | 44 | 2 | US-08-484-434C-24 |
| 20 | 40 | 54.8 | 88 | 1 | US-08-469-202-20 |
| 21 | 39 | 53.4 | 119 | 2 | US-08-219-237B-3 |
| 22 | 39 | 53.4 | 219 | 3 | US-08-974-022-45 |
| 23 | 39 | 53.4 | 277 | 2 | US-08-147-784-2 |
| 24 | 39 | 53.4 | 314 | 1 | US-08-444-231-19 |
| 25 | 39 | 53.4 | 314 | 1 | US-08-152-443A-19 |
| 26 | 39 | 53.4 | 314 | 5 | PCT-US95-17083-4 |
| 27 | 39 | 53.4 | 335 | 2 | US-08-219-237B-2 |

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| 28 | 39 | 53.4 | 335 | 2 | US-08-409-338-1 | Sequence 1, Appli |
| 29 | 39 | 53.4 | 335 | 4 | US-08-815-469-6 | Sequence 6, Appli |
| 30 | 39 | 53.4 | 335 | 4 | US-09-290-640-2 | Sequence 2, Appli |
| 31 | 39 | 53.4 | 335 | 5 | PCT-US95-17083-2 | Sequence 2, Appli |
| 32 | 38 | 52.1 | 120 | 3 | US-08-974-022-42 | Sequence 42, Appli |
| 33 | 38 | 52.1 | 132 | 1 | US-08-208-008C-2 | Sequence 2, Appli |
| 34 | 38 | 52.1 | 163 | 2 | US-08-219-237B-5 | Sequence 5, Appli |
| 35 | 38 | 52.1 | 164 | 2 | US-08-232-087A-9 | Sequence 9, Appli |
| 36 | 38 | 52.1 | 206 | 1 | US-08-097-827-7 | Sequence 7, Appli |
| 37 | 38 | 52.1 | 206 | 1 | US-08-494-574-7 | Sequence 7, Appli |
| 38 | 38 | 52.1 | 227 | 3 | US-08-974-022-48 | Sequence 48, Appli |
| 39 | 38 | 52.1 | 241 | 2 | US-08-460-309-17 | Sequence 17, Appli |
| 40 | 38 | 52.1 | 241 | 2 | US-08-125-077-17 | Sequence 17, Appli |
| 41 | 38 | 52.1 | 380 | 3 | US-08-468-846-2 | Sequence 2, Appli |
| 42 | 38 | 52.1 | 388 | 1 | US-08-290-448A-80 | Sequence 80, Appli |
| 43 | 38 | 52.1 | 388 | 1 | US-08-290-448A-80 | Sequence 80, Appli |
| 44 | 38 | 52.1 | 388 | 1 | US-08-175-069A-80 | Sequence 80, Appli |
| 45 | 38 | 52.1 | 438 | 1 | US-08-097-827-11 | Sequence 11, Appli |

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885800

GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2

Query Match 100.0% ; Score 73 ; DB 2 ; Length 300 ;

Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 THNRACRRTG 12
Db 108 THNRACRRTG 119

RESULT 2
US-08-974-022-6
; Sequence 6, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Behavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-6

Query Match 67.1%; Score 49; DB 3; Length 401;
Best Local Similarity 63.6%; Pred. No. 1.8;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
Db 100 THNRVCECKG 110

RESULT 3
US-09-042-785A-12
; Sequence 12, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts

; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-09-042-785A-12

Query Match 67.1%; Score 49; DB 4; Length 401;
Best Local Similarity 63.6%; Pred. No. 1.8;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
Db 100 THNRVCECKG 110

RESULT 4
US-08-974-022-47
; Sequence 47, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Behavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 47:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-47

Query Match          64.4%; Score 47; DB 3; Length 207;
Best Local Similarity 63.6%; Pred. No. 2;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 THNRACRRTG 11
Db 99 THDRVCNCSTG 109

RESULT 5
US-08-292-549-2
; Sequence 2, Application US/08292549
; Patent No. 5464938
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; TITLE OF INVENTION: Isolated Viral Protein TNF Antagonists
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,549
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/963,330
; FILING DATE: 10/19/92
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2602-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-292-549-2

Query Match          64.4%; Score 47; DB 1; Length 325;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 THNRACRRTG 11
Db 99 THDRVCNCSTG 109

RESULT 6
US-09-042-785A-9
; Sequence 9, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-09-042-785A-9

Query Match          64.4%; Score 47; DB 4; Length 325;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 THNRACRRTG 11
Db 99 THDRVCNCSTG 109

RESULT 7
PCT-US91-02207-2
; Sequence 2, Application PC/TUS9102207
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; TITLE OF INVENTION: Isolated Viral Protein Cytokine Antagonists
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02207
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;; FILING DATE: 19910329
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Wight, Christopher L.
;; REGISTRATION NUMBER: 31,680
;; REFERENCE/DOCKET NUMBER: 2602
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 587-0430
;; TELEFAX: (206) 587-0606
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 325 amino acids
;; TYPE: AMINO ACID
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
PCT-US91-02207-2

Query Match 64.4%; Score 47; DB 5; Length 325;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
||| | | | |
DB 99 THDRVCNCSG 109

RESULT 8
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-2

Query Match 64.4%; Score 47; DB 3; Length 401;
Best Local Similarity 63.6%; Pred. No. 3.7;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
||| | | | |
DB 100 THNRVCECEG 110
RESULT 9
US-08-974-022-4
; Sequence 4, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-4

Query Match 64.4%; Score 47; DB 3; Length 401;
Best Local Similarity 63.6%; Pred. No. 3.7;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
||| | | | |
DB 100 THNRVCECEG 110

RESULT 10
US-09-042-785A-13
; Sequence 13, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/042,785A
;; FILING DATE: 17-MAR-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/938,896
;; FILING DATE: 26-SEP-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mandragouras, Amy E
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: MEI-001CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)742-4214
;; INFORMATION FOR SEQ ID NO: 13:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 401 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: Internal
US-09-042-785A-13

Query Match 64.4%; Score 47; DB 4; Length 401;
Best Local Similarity 63.6%; Pred.No. 3.7;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 THNRACRCRTG 11
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Db 100 THNRVCEEG 110

RESULT 11
US-08-292-549-6
; Sequence 6, Application US/08292549
; Patent No. 5464938
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; TITLE OF INVENTION: Isolated Viral Protein TNF Antagonists
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,549
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/963,330
; FILING DATE: 10/19/92
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2602-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:

;; LENGTH: 355 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-292-549-6

Query Match 63.0%; Score 46; DB 1; Length 355;
Best Local Similarity 58.3%; Pred.No. 4.6;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 THNRACRCRTGF 12
 |||||
Db 103 THNRICDCAPGY 114

RESULT 12
US-08-469-486-52
; Sequence 52, Application US/08469486
; Patent No. 5739281
; GENERAL INFORMATION:
; APPLICANT: Thøgersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerodt, Michael
; TITLE OF INVENTION: Improved method for the refolding of
; TITLE OF INVENTION: proteins
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,486
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4544 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-486-52

Query Match 63.0%; Score 45; DB 1; Length 4544;
Best Local Similarity 77.8%; Pred.No. 48;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 RACRCRTGF 12
 |||||
Db 502 RTCRCRSGF 510

RESULT 13
US-08-469-658-52
; Sequence 52, Application US/08469658
; Patent No. 5917018
; GENERAL INFORMATION:
; APPLICANT: Th egersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerodt, Michael
; TITLE OF INVENTION: IMPROVED METHOD FOR THE REFOLDING OF
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,658
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4544 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-658-52

Query Match 63.0%; Score 46; DB 2; Length 4544;
Best Local Similarity 77.8%; Pred. No. 48;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 4 RACRCRTGF 12
DB 502 RTCRCRSGF 510

RESULT 14
US-08-872-855-2
; Sequence 2, Application US/08872855
; Patent No. 6121045
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean
; APPLICANT: Gearing, David
; TITLE OF INVENTION: NOVEL HUMAN DELTA3 COMPOSITIONS AND
; TITLE OF INVENTION: THERAPEUTIC USES THEREFOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square

; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/872,855
; FILING DATE: 11-JUN-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: MAA-003.02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 685 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-872-855-2

Query Match 60.3%; Score 44; DB 4; Length 685;
Best Local Similarity 70.0%; Pred. No. 17;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 3 NRACRCRTGF 12
DB 423 SRMCRCPGF 432

RESULT 15
US-08-974-022-52
; Sequence 52, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 191 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-52

Query Match 58.9%; Score 43; DB 3; Length 191;
Best Local Similarity 58.3%; Pred. No. 7.4;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 THNRACRCRTGF 12
||| | |
Db 80 THNAECIEGF 91

Search completed: May 23, 2001, 15:56:37
Job time: 170 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:37 ; Search time 109.73 seconds
(without alignments)
1.751 Million cell updates/sec

Title: US-09-518-931-4_COPY_129_138

Perfect score: 59

Sequence: 1 HASCPPGAGV 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents_AA.*

1: /cgn2_6/ptodata/2/1aa/5A_COMB.pap.*

2: /cgn2_6/ptodata/2/1aa/5B_COMB.pap.*

3: /cgn2_6/ptodata/2/1aa/6A_COMB.pap.*

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5: /cgn2_6/ptodata/2/1aa/PCTUS_COMB.pap.*

6: /cgn2_6/ptodata/2/1aa/backfiles!.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|-------------------|
| 1 | 59 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 51 | 86.4 | 401 | 3 | US-08-974-022-4 |
| 3 | 51 | 86.4 | 401 | 4 | US-09-042-785A-13 |
| 4 | 49 | 83.1 | 401 | 3 | US-08-974-022-2 |
| 5 | 48 | 81.4 | 401 | 3 | US-08-974-022-6 |
| 6 | 48 | 81.4 | 401 | 4 | US-09-042-785A-12 |
| 7 | 46 | 78.0 | 346 | 2 | US-08-602-359A-34 |
| 8 | 43 | 72.9 | 228 | 4 | US-08-911-423-6 |
| 9 | 43 | 72.9 | 232 | 4 | US-08-911-423-7 |
| 10 | 43 | 72.9 | 241 | 4 | US-08-911-423-4 |
| 11 | 43 | 72.9 | 311 | 4 | US-08-911-423-8 |
| 12 | 40 | 67.8 | 41 | 1 | US-08-050-319B-39 |
| 13 | 40 | 67.8 | 41 | 2 | US-08-465-982-39 |
| 14 | 40 | 67.8 | 162 | 2 | US-08-219-237B-7 |
| 15 | 40 | 67.8 | 277 | 4 | US-09-042-785A-10 |
| 16 | 40 | 67.8 | 2050 | 2 | US-08-347-594A-2 |
| 17 | 40 | 67.8 | 2813 | 3 | US-08-896-449A-2 |
| 18 | 40 | 67.8 | 2813 | 3 | US-09-132-652-2 |
| 19 | 39 | 66.1 | 1375 | 3 | US-08-665-259-26 |
| 20 | 39 | 66.1 | 1375 | 3 | US-08-762-500-26 |
| 21 | 38 | 64.4 | 414 | 4 | US-09-067-626-4 |
| 22 | 37 | 62.7 | 427 | 3 | US-08-448-722A-4 |
| 23 | 36 | 61.0 | 452 | 3 | US-09-059-523-3 |
| 24 | 36 | 61.0 | 452 | 4 | US-09-382-027-3 |
| 25 | 36 | 61.0 | 621 | 3 | US-09-059-522-1 |
| 26 | 36 | 61.0 | 621 | 4 | US-09-382-027-1 |
| 27 | 35 | 59.3 | 13 | 1 | US-08-444-231-20 |

| | | | | | | |
|----|----|------|-----|---|-------------------|-------------------|
| 28 | 35 | 59.3 | 13 | 1 | US-08-152-443A-20 | Sequence 20, Appl |
| 29 | 35 | 59.3 | 119 | 2 | US-08-219-237B-3 | Sequence 3, Appl |
| 30 | 35 | 59.3 | 149 | 5 | PCT-US95-17083-6 | Sequence 6, Appl |
| 31 | 35 | 59.3 | 189 | 3 | US-08-646-273-14 | Sequence 14, Appl |
| 32 | 35 | 59.3 | 219 | 3 | US-08-974-022-45 | Sequence 45, Appl |
| 33 | 35 | 59.3 | 229 | 1 | US-08-383-750-6 | Sequence 6, Appl |
| 34 | 35 | 59.3 | 229 | 2 | US-08-684-687-2 | Sequence 2, Appl |
| 35 | 35 | 59.3 | 229 | 3 | US-08-352-678-6 | Sequence 6, Appl |
| 36 | 35 | 59.3 | 230 | 5 | PCT-US93-09636-6 | Sequence 6, Appl |
| 37 | 35 | 59.3 | 259 | 2 | US-07-857-224B-51 | Sequence 51, Appl |
| 38 | 35 | 59.3 | 314 | 1 | US-08-444-231-19 | Sequence 19, Appl |
| 39 | 35 | 59.3 | 314 | 1 | US-08-152-443A-19 | Sequence 19, Appl |
| 40 | 35 | 59.3 | 314 | 5 | PCT-US95-17083-4 | Sequence 4, Appl |
| 41 | 35 | 59.3 | 335 | 2 | US-08-219-237B-2 | Sequence 2, Appl |
| 42 | 35 | 59.3 | 335 | 2 | US-08-409-338-1 | Sequence 1, Appl |
| 43 | 35 | 59.3 | 335 | 4 | US-08-819-469-6 | Sequence 6, Appl |
| 44 | 35 | 59.3 | 335 | 4 | US-09-290-640-2 | Sequence 2, Appl |
| 45 | 35 | 59.3 | 335 | 5 | PCT-US95-17083-2 | Sequence 2, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5865800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; TITLE OF INVENTION: TR4
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794.796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2

Query Match 100.0% Score 59; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 0.064; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | | | | | | |
Db 129 HASCPPGAGV 138

RESULT 2
US-08-974-022-4
; Sequence 4, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Angen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-4

Query Match 86.4%; Score 51; DB 3; Length 401;
Best Local Similarity 80.0%; Pred. No. 1.3; Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | | | | | | |
Db 121 HRCPPGSGV 130

RESULT 3
US-09-042-785A-13
; Sequence 13, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts

; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-09-042-785A-13

Query Match 86.4%; Score 51; DB 4; Length 401;
Best Local Similarity 80.0%; Pred. No. 1.3; Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | | | | | | |
Db 121 HRCPPGSGV 130

RESULT 4
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Angen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match 83.1%; Score 49; DB 3; Length 401;
Best Local Similarity 80.0%; Pred. No. 2.6;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 121 HRSPPGLGV 130

RESULT 5
US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Angen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 81.4%; Score 48; DB 3; Length 401;
Best Local Similarity 80.0%; Pred. No. 3.6;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 121 HRSPPGLGV 130

RESULT 6
US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

Query Match 81.4%; Score 48; DB 4; Length 401;
Best Local Similarity 80.0%; Pred. No. 3.6;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 121 HRSPPGLGV 130

RESULT 7
US-08-602-359A-34
Sequence 34, Application US/08602359A
Patent No. 5942430
GENERAL INFORMATION:
APPLICANT: ROBERTSON, Daniel E.
APPLICANT: MURPHY, Dennis
APPLICANT: REID, John
APPLICANT: MAFFIA, Anthony
APPLICANT: LINK, Steven
APPLICANT: SWANSON, Ronald V.
APPLICANT: WARREN, Patrick V.
APPLICANT: KOSMOTRA, Anna
TITLE OF INVENTION: ESTERASES
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & RICHARDSON P.C.
STREET: 4225 EXECUTIVE SQUARE, STE 1400
CITY: LA JOLLA
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,359A
FILING DATE: February 16, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HAILE, LISA A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 09010/010001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 346 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-602-359A-34

Query Match 78.0%; Score 46; DB 2; Length 346;
Best Local Similarity 77.8%; Pred. No. 6.2;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 1 HASCPPGAG 9
| | | | |
DB 337 HECPPGAG 345

RESULT 8

US-08-911-423-6
; Sequence 6, Application US/08911423
; Patent No. 6111090
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Randall, Troy D.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
; TITLE OF INVENTION: REAGENTS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,423
; FILING DATE: 14-AUG-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,419
; FILING DATE: 16-AUG-1996
; FILING DATE: 07-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0612K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-852-9196
; TELEFAX: 650-496-1200
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-911-423-7

Query Match 72.9%; Score 43; DB 4; Length 232;
Best Local Similarity 70.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

TELEFAX: 650-496-1200
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 228 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-911-423-6

Query Match 72.9%; Score 43; DB 4; Length 228;
Best Local Similarity 70.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | |
DB 85 HHCPGPGGV 94

RESULT 9

US-08-911-423-7
; Sequence 7, Application US/08911423
; Patent No. 6111090
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Randall, Troy D.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
; TITLE OF INVENTION: REAGENTS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,423
; FILING DATE: 14-AUG-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,419
; FILING DATE: 16-AUG-1996
; FILING DATE: 07-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0612K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-852-9196
; TELEFAX: 650-496-1200
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-911-423-7

Query Match 72.9%; Score 43; DB 4; Length 232;
Best Local Similarity 70.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;


```

Qy 1 HASCPPGAGV 10
Db 85 HHPCPPGGGV 94

RESULT 10
US-08-911-423-4
; Sequence 4, Application US/08911423
; Patent No. 611090
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Randall, Troy D.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
; TITLE OF INVENTION: REAGENTS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,423
; FILING DATE: 14-AUG-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,419
; FILING DATE: 16-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/027,901
; FILING DATE: 07-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0612K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-852-9196
; TELEFAX: 650-496-1200
; INFORMATION FOR SEQ ID NO: 4:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,419
; FILING DATE: 16-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/027,901
; FILING DATE: 07-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0612K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-852-9196
; TELEFAX: 650-496-1200
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 241 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-911-423-4

Query Match 72.9%; Score 43; DB 4; Length 241;
Best Local Similarity 70.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 91 HHPCPPGGGV 100

RESULT 11
US-08-911-423-8
; Sequence 8, Application US/08911423
; Patent No. 611090
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Randall, Troy D.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
; TITLE OF INVENTION: REAGENTS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,423
; FILING DATE: 14-AUG-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,419
; FILING DATE: 16-AUG-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/027,901
; FILING DATE: 07-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0612K
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-852-9196
; TELEFAX: 650-496-1200
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 311 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-911-423-8

Query Match 72.9%; Score 43; DB 4; Length 311;
Best Local Similarity 70.0%; Pred. No. 16;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 85 HHPCPPGGGV 94

RESULT 12
US-08-050-319B-39
; Sequence 39, Application US/08050319B
; Patent No. 5633145
; GENERAL INFORMATION:
; APPLICANT: M. Feldmann, P.W. Gray,
; APPLICANT: M.J.C. Turner, F.M. Brennan
; TITLE OF INVENTION: Modified human TNFalpha (Tumor
; TITLE OF INVENTION: Necrosis Factor alpha) Receptor
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Reed & Robbins
; STREET: 635 Bryant Street
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, version #1.25
; CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: US/08/050,319B
FILING DATE: 10-May-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Robbins, Roberta L.
REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 5150-0030
TELEPHONE: (415) 617-8999
TELEFAX: (415) 327-3231
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-050-319B-39

Query Match 67.8%; Score 40; DB 1; Length 41;
Best Local Similarity 70.0%; Pred. No. 6.5;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | |
DB 19 HRSCSPFGV 28

RESULT 13
US-08-465-982-39
Sequence 39, Application US/08465982
Patent No. 5863786
GENERAL INFORMATION:
APPLICANT: M.Feldmann, P.W. Gray,
APPLICANT: M.J.C. Turner, F.M. Brennan
TITLE OF INVENTION: Modified human TNFalpha (Tumor
TITLE OF INVENTION: Necrosis Factor alpha) Receptor
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Reed & Robbins
STREET: 635 Bryant Street
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,982
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/050,319
FILING DATE: 10-May-1993
ATTORNEY/AGENT INFORMATION:
NAME: Robbins, Roberta L.
REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 5150-0030
TELEPHONE: (415) 617-8999
TELEFAX: (415) 327-3231
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-465-982-39

Query Match 67.8%; Score 40; DB 2; Length 41;
Best Local Similarity 70.0%; Pred. No. 6.5;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | |
DB 19 HRSCSPFGV 28

RESULT 14
US-08-219-237B-7
Sequence 7, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-7

Query Match 67.8%; Score 40; DB 2; Length 162;
Best Local Similarity 70.0%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | |
DB 98 HRSCSPFGV 107

RESULT 15
US-09-042-785A-10
Sequence 10, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 277 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-09-042-785A-10

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Query Match      67.8%; Score 40; DB 4; Length 277;
Best Local Similarity 70.0%; Pred. No. 39;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 HASCPPPGAGV 10
Db 122 HRSCSPGFGV 131

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Search completed: May 23, 2001, 15:56:41
Job time: 174 sec

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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: May 23, 2001, 21:56:18 ; Search time 79.29 Seconds
(without alignments)
4855.580 Million cell updates/sec

Title: US-09-344-882-27

Perfect score: 2205

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Searched: 302621 seqs, 87301344 residues

Word size : 0

Total number of hits satisfying chosen parameters: 605242

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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3: /cgn2_6/ptodata/1/1na/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/1na/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/1na/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/1na/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|---------------------|
| 1 | 26 | 1.2 | 1196 | 3 | US-07-959-509-4 |
| 2 | 26 | 1.2 | 3952 | 2 | US-08-381-691-16 |
| 3 | 24 | 1.1 | 469 | 1 | US-08-468-347-23 |
| 4 | 24 | 1.1 | 469 | 1 | US-08-226-284-25 |
| 5 | 24 | 1.1 | 469 | 1 | US-08-467-389-23 |
| 6 | 24 | 1.1 | 469 | 2 | US-08-779-379-23 |
| 7 | 24 | 1.1 | 469 | 2 | US-08-469-219-23 |
| 8 | 24 | 1.1 | 469 | 4 | US-09-228-152-23 |
| 9 | 24 | 1.1 | 729 | 1 | US-08-447-010-1 |
| 10 | 24 | 1.1 | 868 | 3 | US-08-889-502-20 |
| 11 | 24 | 1.1 | 1628 | 2 | US-08-883-515-3 |
| 12 | 24 | 1.1 | 3848 | 4 | US-09-112-096-28 |
| 13 | 24 | 1.1 | 5668 | 4 | US-09-112-096-14 |
| 14 | 23 | 1.0 | 433 | 1 | US-07-987-272A-13 |
| 15 | 23 | 1.0 | 567 | 1 | US-08-661-168-6 |
| 16 | 23 | 1.0 | 989 | 2 | US-08-874-460-1 |
| 17 | 23 | 1.0 | 1108 | 1 | US-08-036-555B-135 |
| 18 | 23 | 1.0 | 1108 | 1 | US-08-469-569-135 |
| 19 | 23 | 1.0 | 1108 | 1 | US-08-249-322A-135 |
| 20 | 23 | 1.0 | 1108 | 1 | US-08-469-526A-135 |
| 21 | 23 | 1.0 | 1108 | 2 | US-08-734-591A-135 |
| 22 | 23 | 1.0 | 1108 | 2 | US-08-469-660-135 |
| 23 | 23 | 1.0 | 1108 | 3 | US-08-341-018-5 |
| 24 | 23 | 1.0 | 1108 | 4 | US-08-470-335-135 |
| 25 | 23 | 1.0 | 1108 | 4 | US-08-735-021-135 |
| 26 | 23 | 1.0 | 1108 | 4 | US-08-734-664A-135 |
| 27 | 23 | 1.0 | 1108 | 5 | PCT-US94-05083C-131 |

28 1.0 1108 5 PCT-US95-06846A-135 Sequence 135, App
29 23 1.0 1193 1 US-08-036-555B-134 Sequence 134, App
30 23 1.0 1193 1 US-08-469-569-134 Sequence 134, App
31 23 1.0 1193 1 US-08-249-322A-134 Sequence 134, App
32 23 1.0 1193 1 US-08-469-526A-134 Sequence 134, App
33 23 1.0 1193 2 US-08-734-591A-134 Sequence 134, App
34 23 1.0 1193 2 US-08-469-660-134 Sequence 134, App
35 23 1.0 1193 3 US-08-341-018-3 Sequence 3, Appl
36 23 1.0 1193 4 US-08-470-335-134 Sequence 134, App
37 23 1.0 1193 4 US-08-735-021-134 Sequence 134, App
38 23 1.0 1193 4 US-08-734-664A-134 Sequence 134, App
39 23 1.0 1193 5 PCT-US94-05083C-130 Sequence 130, App
40 23 1.0 1193 5 PCT-US95-06846A-134 Sequence 134, App
41 23 1.0 1228 3 US-08-826-246-9 Sequence 9, Appl
42 23 1.0 1228 3 US-08-944-495-9 Sequence 9, Appl
43 23 1.0 1228 3 US-09-126-640-5 Sequence 5, Appl
44 23 1.0 1364 2 US-08-815-718-1 Sequence 1, Appl
45 23 1.0 1741 1 US-08-565-655-5 Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-07-959-509-4
Sequence 4, Application US/07959509
Patent No. 6001560
GENERAL INFORMATION:
APPLICANT: Lonlat, Herinder
APPLICANT: Narula, Satwant
APPLICANT: Zavodny, Paul
TITLE OF INVENTION: Human Gamma Interferon Antagonist/Agonist Screen
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Schering-Plough Corporation
STREET: One Giralda Farms
CITY: Madison
STATE: New Jersey
COUNTRY: USA
ZIP: 07940
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: Microsoft Word 4.00B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/959,509
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/616,621
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dulak, No. 6001560man C.
REGISTRATION NUMBER: 31,608
REFERENCE/DOCKET NUMBER: JH0166
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201 822 7375
TELEFAX: 201 822 7039
TELEX: 219165
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1196 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-07-959-509-4

Query Match 1.2% Score 26; DB 3; Length 1196;

Best Local Similarity 100.0%; Pred. No. 0.035; Indels 0; Gaps 0;
Matches 26; Conservative 0; Mismatches 0

QY 2180 tctgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 325 TCTGTCAAAAAAAAAAAAAAAAAA 350

RESULT 2

US-08-381-691-16/c
; Sequence 16, Application US/08381691
; Patent No. 5852224
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Alpha-lac Albumin Gene Constructs
; NUMBER OF SEQUENCES: 17
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/381,691
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3952 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-381-691-16

Query Match 1.2%; Score 26; DB 2; Length 3952;
Best Local Similarity 100.0%; Pred. No. 0.032; 0; Indels 0; Gaps 0;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2180 tctgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 3858 TCTGTCAAAAAAAAAAAAAAAAAA 3833

RESULT 3

US-08-468-347-23
; Sequence 23, Application US/08468347
; Patent No. 5783421
; GENERAL INFORMATION:
; APPLICANT: Zeelon, Elisha P.
; APPLICANT: Werber, Moshe M.
; APPLICANT: Levanon, Avigdor
; TITLE OF INVENTION: NOVEL POLYPEPTIDE HAVING FACTOR Xa
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,347
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/225,442
; FILING DATE: 08-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678

; REFERENCE/DOCKET NUMBER: 0317/43020-A/JPW/EAB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-977-9550
; TELEFAX: 212-664-0525
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
US-08-468-347-23

Query Match 1.1%; Score 24; DB 1; Length 469;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
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Db 446 TGTCAAAAAAAAAAAAAAAAAA 469

RESULT 4

US-08-226-264-25
; Sequence 25, Application US/08226264
; Patent No. 5801017
; GENERAL INFORMATION:
; APPLICANT: Werber, Moshe M.
; APPLICANT: Zeelon, Elisha P.
; APPLICANT: Levanon, Avigdor
; APPLICANT: Guy, Rachel
; APPLICANT: Goldlust, Arle
; APPLICANT: Rigbi, Meir
; APPLICANT: Panet, Amos
; APPLICANT: Fischer, Meir
; TITLE OF INVENTION: PRODUCTION OF RECOMBINANT FACTOR Xa
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/226,264
; FILING DATE: 08-APR-94
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 40017-A/JPW/GJG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; TELEX:
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)

RESULTS

STATE: New York
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,219
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/225,442
FILING DATE: 08-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 03117/43020-A/JPW/EAB
TELEPHONE: 212-977-9550
TELEFAX: 212-664-0525
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 469 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
US-08-469-219-23

Query Match 1.1%; Score 24; DB 2; Length 469;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||

DB 446 TGTCAAAAAAAAAAAAAAAAAA 469

RESULT 8
US-09-228-152-23
Sequence 23, Application US/09228152
Patent No. 6211341
GENERAL INFORMATION:
APPLICANT: Zeelon, Elisha P.
APPLICANT: Werber, Moshe M.
APPLICANT: Levanon, Avigdor
TITLE OF INVENTION: NOVEL POLYPEPTIDE HAVING FACTOR Xa INHIBITORY ACTIVITY
FILE REFERENCE: 43020aya
CURRENT APPLICATION NUMBER: US/09/228,152
CURRENT FILING DATE: 1999-01-11
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 23
LENGTH: 469
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
OTHER INFORMATION: of clone pSP65-xai-4.
US-09-228-152-23

Query Match 1.1%; Score 24; DB 4; Length 469;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||

DB 446 tgtcaaaaaaaaaaaaaaaaaa 469
RESULT 9
US-08-447-010-1
Sequence 1, Application US/08447010
Patent No. 5770718
GENERAL INFORMATION:
APPLICANT: MOFFATT, BARBARA
TITLE OF INVENTION: GENE FOR APRT FROM PLANT TISSUE
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sim & McBurney
STREET: 330 University Avenue, Suite 701
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5G 1R7
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,010
FILING DATE: 22-MAY-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/888,132
FILING DATE: 26-MAY-1992
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: STEWART, MICHAEL I
REGISTRATION NUMBER: 24,973
REFERENCE/DOCKET NUMBER: 1811-183 MIS:vg
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 595-1155
TELEFAX: (416) 595-1163
TELEX: 065-24567 SIMBAS
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 729 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: both
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: join(18..569)
US-08-447-010-1

Query Match 1.1%; Score 24; DB 1; Length 729;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||

DB 706 TGTCAAAAAAAAAAAAAAAAAA 729

RESULT 10
US-08-889-502-20
Sequence 20, Application US/08889502
Patent No. 6066726
GENERAL INFORMATION:
APPLICANT: Farb, David H
APPLICANT: Russek, Shelley J
TITLE OF INVENTION: GENE THERAPY VECTOR WITH TISSUE


```

; TITLE OF INVENTION: SPECIFICITY
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: ME
; COUNTRY: USA
; ZIP: 03911
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,502
; FILING DATE: 08-JUL-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: 0146-2008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (207) 363-0558
; TELEFAX: (207) 363-0528
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 868 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-889-502-20

```

```

Query Match      1.1%; Score 24; DB 3; Length 868;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Oy 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
      |||||
Db 441 TGTCAAAAAAAAAAAAAAAAAA 464

```

```

RESULT 11
US-08-883-515-3
; Sequence 3, Application US/08883515
; Patent No. 5981836
; GENERAL INFORMATION:
; APPLICANT: Osteryoung, Katherine W
; TITLE OF INVENTION: PLANT CHLOROPLAST DIVISION GENES
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/883,515
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27,386
; REFERENCE/DOCKET NUMBER: 920905.90016
; TELECOMMUNICATION INFORMATION:

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; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1628 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..1316
; US-08-883-515-3

```

```

Query Match      1.1%; Score 24; DB 2; Length 1628;
Best Local Similarity 100.0%; Pred. No. 0.24;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Oy 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
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Db 1604 TGTCAAAAAAAAAAAAAAAAAA 1627

```

```

RESULT 12
US-09-112-096-28
; Sequence 28, Application US/09112096
; Patent No. 6194152
; GENERAL INFORMATION:
; APPLICANT: Reiner Laus
; APPLICANT: Michael H. Shapero
; APPLICANT: Larisa Tsavaler
; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
; FILE REFERENCE: 7636-0015,30
; CURRENT APPLICATION NUMBER: US/09/112,096
; CURRENT FILING DATE: 1998-07-09
; EARLIER APPLICATION NUMBER: 60/056,110
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 28
; LENGTH: 3848
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-112-096-28

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```

Query Match      1.1%; Score 24; DB 4; Length 3848;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Oy 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
      |||||
Db 3780 tgtcaaaaaaaaaaaaaaaaaa 3803

```

```

RESULT 13
US-09-112-096-14
; Sequence 14, Application US/09112096
; Patent No. 6194152
; GENERAL INFORMATION:
; APPLICANT: Reiner Laus
; APPLICANT: Michael H. Shapero
; APPLICANT: Larisa Tsavaler
; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
; FILE REFERENCE: 7636-0015,30
; CURRENT APPLICATION NUMBER: US/09/112,096
; CURRENT FILING DATE: 1998-07-09
; EARLIER APPLICATION NUMBER: 60/056,110
; EARLIER FILING DATE: 1997-08-20
; NUMBER OF SEQ ID NOS: 29

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Qy 2183 qtcaaaaaaaaaaaaaaa 2205

Search completed: May 23, 2001, 23:13:15
Job time: 4617 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:36 : Search time 109.73 Seconds
(without alignments)
3.677 Million cell updates/sec

Title: US-09-518-931-4_COPY_86_106
Perfect score: 124
Sequence: 1 ECRYCNVLCGEREEARACH 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 124 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 46.5 | 37.5 | 605 | 1 | US-08-152-019A-26 |
| 3 | 46.5 | 37.5 | 605 | 3 | US-08-482-677-4 |
| 4 | 46.5 | 37.5 | 605 | 3 | US-08-650-599A-1 |
| 5 | 46.5 | 37.5 | 606 | 3 | US-08-665-259-22 |
| 6 | 46.5 | 37.5 | 606 | 3 | US-08-762-500-22 |
| 7 | 45 | 36.3 | 122 | 1 | US-08-612-986-7 |
| 8 | 45 | 36.3 | 122 | 1 | US-08-361-806A-7 |
| 9 | 45 | 36.3 | 122 | 5 | PCT-US95-16806A-7 |
| 10 | 44 | 35.5 | 355 | 1 | US-08-292-549-6 |
| 11 | 44 | 35.5 | 1781 | 2 | US-08-477-451-11 |
| 12 | 44 | 35.5 | 3025 | 6 | 5233423-3 |
| 13 | 43.5 | 35.1 | 603 | 3 | US-08-482-677-8 |
| 14 | 43 | 34.7 | 84 | 2 | US-08-459-568-62 |
| 15 | 43 | 34.7 | 84 | 2 | US-08-399-411-62 |
| 16 | 43 | 34.7 | 84 | 3 | US-08-516-859A-62 |
| 17 | 43 | 34.7 | 401 | 3 | US-08-974-022-4 |
| 18 | 43 | 34.7 | 401 | 4 | US-09-042-785A-13 |
| 19 | 42.5 | 34.3 | 604 | 2 | US-08-635-137-2 |
| 20 | 42 | 33.9 | 78 | 2 | US-08-463-380-53 |
| 21 | 42 | 33.9 | 78 | 2 | US-08-486-397-53 |
| 22 | 42 | 33.9 | 78 | 2 | US-08-486-399-53 |
| 23 | 42 | 33.9 | 78 | 2 | US-08-461-965-53 |
| 24 | 42 | 33.9 | 78 | 2 | US-08-634-641-53 |
| 25 | 42 | 33.9 | 78 | 3 | US-09-249-471-53 |
| 26 | 42 | 33.9 | 78 | 3 | US-09-249-472-53 |
| 27 | 42 | 33.9 | 78 | 3 | US-09-249-451-53 |

| | | | | | | |
|----|----|------|-----|---|-------------------|-------------------|
| 28 | 42 | 33.9 | 78 | 3 | US-08-809-455-53 | Sequence 53, Appl |
| 29 | 42 | 33.9 | 78 | 3 | US-09-249-461-53 | Sequence 53, Appl |
| 30 | 42 | 33.9 | 78 | 4 | US-09-249-448-53 | Sequence 53, Appl |
| 31 | 42 | 33.9 | 162 | 2 | US-08-463-380-63 | Sequence 63, Appl |
| 32 | 42 | 33.9 | 162 | 2 | US-08-486-397-63 | Sequence 63, Appl |
| 33 | 42 | 33.9 | 162 | 2 | US-08-486-399-63 | Sequence 63, Appl |
| 34 | 42 | 33.9 | 162 | 2 | US-08-461-965-63 | Sequence 63, Appl |
| 35 | 42 | 33.9 | 162 | 2 | US-08-634-641-63 | Sequence 63, Appl |
| 36 | 42 | 33.9 | 162 | 3 | US-09-249-471-63 | Sequence 63, Appl |
| 37 | 42 | 33.9 | 162 | 3 | US-09-249-472-63 | Sequence 63, Appl |
| 38 | 42 | 33.9 | 162 | 3 | US-09-249-451-63 | Sequence 63, Appl |
| 39 | 42 | 33.9 | 162 | 3 | US-08-809-455-63 | Sequence 63, Appl |
| 40 | 42 | 33.9 | 162 | 3 | US-09-249-461-63 | Sequence 63, Appl |
| 41 | 42 | 33.9 | 162 | 4 | US-09-249-448-63 | Sequence 63, Appl |
| 42 | 42 | 33.9 | 339 | 1 | US-08-153-848-44 | Sequence 44, Appl |
| 43 | 42 | 33.9 | 339 | 2 | US-08-812-871-3 | Sequence 3, Appl |
| 44 | 42 | 33.9 | 339 | 3 | US-09-299-843A-44 | Sequence 44, Appl |
| 45 | 42 | 33.9 | 339 | 5 | PCT-US93-11153-44 | Sequence 44, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
: Sequence 2, Application US/08794796
: Patent No. 5885800
: GENERAL INFORMATION:
: APPLICANT: Emery, John
: APPLICANT: Tan, KB
: APPLICANT: Truneh, Alem
: APPLICANT: Young, Peter
: TITLE OF INVENTION: Tumor Necrosis Related Receptor,
: TITLE OF INVENTION: TR4
: NUMBER OF SEQUENCES: 2
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SmithKline Beecham Corporation
: STREET: 709 Swedeland Road
: CITY: King of Prussia
: STATE: PA
: COUNTRY: USA
: ZIP: 19406
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/794,796
: FILING DATE: 04-FEB-1997
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Han, William T
: REGISTRATION NUMBER: 34,344
: REFERENCE/DOCKET NUMBER: GH50000
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-270-5219
: TELEFAX: 610-270-4026
: TELEX:
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 300 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-794-796-2

Query Match 100.0% Score 124; DB 2; Length 300;

FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: OSMAN, RICHARD A.
 REGISTRATION NUMBER: 36,627
 REFERENCE/DOCKET NUMBER: UC93-300-2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 343-4341
 TELEFAX: (415) 343-4342
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 605 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-650-599A-1

Query Match 37.5%; Score 46.5; DB 3; Length 605;
 Best Local Similarity 50.0%; Pred. No. 48;
 Matches 9; Conservative 4; Mismatches 4; Indels 1; Gaps 1;

QY 4 RYCNVLCGEREEARACH 21
 ||| | : || : |||
 DB 77 RYC-VVTEKGEEQVRSCH 93

RESULT 5
 US-08-665-259-22
 ; Sequence 22, Application US/08665259
 ; Patent No. 6028173
 ; GENERAL INFORMATION:
 ; APPLICANT: Landes, Gregory M.
 ; APPLICANT: Burn, Timothy C.
 ; APPLICANT: Connors, Timothy D.
 ; APPLICANT: Dackowski, William R.
 ; APPLICANT: Van Raay, Terence J.
 ; APPLICANT: Klinger, Katherine W.
 ; TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
 ; NUMBER OF SEQUENCES: 73
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: GENZYME CORPORATION
 ; STREET: One Mountain Road
 ; CITY: Framingham
 ; STATE: Massachusetts
 ; COUNTRY: United States of America
 ; ZIP: 01701
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 17-JUN-1996
 ; APPLICATION NUMBER: US/08/665,259
 ; PRIORITY INFORMATION:
 ; PRIOR APPLICATION NUMBER: PCT/US96/10469
 ; FILING DATE: 17-JUN-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dugan, Deborah A.
 ; REGISTRATION NUMBER: 37,315
 ; REFERENCE/DOCKET NUMBER: IGS-9.1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (508) 872-8400
 ; TELEFAX: (508) 872-5415
 ; INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 606 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-665-259-22

Query Match 37.5%; Score 46.5; DB 3; Length 606;
 Best Local Similarity 50.0%; Pred. No. 48;
 Matches 9; Conservative 4; Mismatches 4; Indels 1; Gaps 1;
 QY 4 RYCNVLCGEREEARACH 21
 ||| | : || : |||
 DB 78 RYC-VVTEKGEEQVRSCH 94

RESULT 6
 US-08-762-500-22
 ; Sequence 22, Application US/08762500
 ; Patent No. 6030806
 ; GENERAL INFORMATION:
 ; APPLICANT: Landes, Gregory M.
 ; APPLICANT: Burn, Timothy C.
 ; APPLICANT: Connors, Timothy D.
 ; APPLICANT: Dackowski, William R.
 ; APPLICANT: Van Raay, Terence J.
 ; APPLICANT: Klinger, Katherine W.
 ; TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
 ; NUMBER OF SEQUENCES: 83
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: GENZYME CORPORATION
 ; STREET: One Mountain Road
 ; CITY: Framingham
 ; STATE: Massachusetts
 ; COUNTRY: United States of America
 ; ZIP: 01701
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 09-DEC-1996
 ; APPLICATION NUMBER: US/08/762,500
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/665,259
 ; FILING DATE: 17-JUN-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/10469
 ; FILING DATE: 17-JUN-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dugan, Deborah A.
 ; REGISTRATION NUMBER: 37,315
 ; REFERENCE/DOCKET NUMBER: IGS-9.3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (508) 872-8400
 ; TELEFAX: (508) 872-5415
 ; INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 606 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-762-500-22

Query Match 37.5%; Score 46.5; DB 3; Length 606;
 Best Local Similarity 50.0%; Pred. No. 48;
 Matches 9; Conservative 4; Mismatches 4; Indels 1; Gaps 1;
 QY 4 RYCNVLCGEREEARACH 21
 ||| | : || : |||
 DB 78 RYC-VVTEKGEEQVRSCH 94

RESULT 7
US-08-612-986-7
; Sequence 7, Application US/08612986
; Patent No. 5770384
; GENERAL INFORMATION:
; APPLICANT: Elliot J. Androphy
; APPLICANT: Dave E. Breiding
; TITLE OF INVENTION: E2 BINDING PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/612,986
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/361,806
; FILING DATE: 22 DEC 1994
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Paul L.
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: NEP-004DV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-612-986-7

Query Match 36.3%; Score 45; DB 1; Length 122;
Best Local Similarity 63.6%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 GEREEARACH 21
|||||: ||
Db 81 GEREKEKVVCH 91

RESULT 8
US-08-361-806A-7
; Sequence 7, Application US/08361806A
; Patent No. 5792833
; GENERAL INFORMATION:
; APPLICANT: Elliot J. Androphy
; APPLICANT: Dave E. Breiding
; TITLE OF INVENTION: E2 BINDING PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/361,806A
; FILING DATE: 22 DEC 1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Paul L.
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: NEP-004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-361-806A-7

Query Match 36.3%; Score 45; DB 1; Length 122;
Best Local Similarity 63.6%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 GEREEARACH 21
|||||: ||
Db 81 GEREKEKVVCH 91

RESULT 9
PCT-US95-16806A-7
; Sequence 7, Application PC/TUS9516806A
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: E2 Binding Proteins
; NUMBER OF SEQUENCES: 21
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII (text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/16806A
; FILING DATE: December 22, 1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/361,806
; FILING DATE: 22-DEC-1994
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-16806A-7

Query Match 36.3%; Score 45; DB 5; Length 122;
Best Local Similarity 63.6%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 GEREEARACH 21
|||||: ||
Db 81 GEREKEKVVCH 91

RESULT 10
US-08-292-549-6
; Sequence 6, Application US/08292549
; Patent No. 5464938
; GENERAL INFORMATION:

APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
TITLE OF INVENTION: Isolated Viral Protein TNF Antagonists
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/292,549
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA: 07/963,330
FILING DATE: 10/19/92
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2602-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-292-549-6

Query Match 35.58; Score 44; DB 1; Length 355;
Best Local Similarity 36.88; Pred. No. 63;
Matches 7; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 3 CRYCNVLCGEREEARACH 21
| | | : | | |
Db 83 CLSCNGRCDSNQVETRSCN 101

RESULT 11
US-08-477-451-11
Sequence 11, Application US/08477451
Patent No. 5928865
GENERAL INFORMATION:
APPLICANT: Covacci, Antonello
TITLE OF INVENTION: Helicobacter Pylori CagI Region
NUMBER OF SEQUENCES: 46
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,451
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: McClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0335-002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2708
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1781 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-477-451-11

Query Match 35.58; Score 44; DB 2; Length 1781;
Best Local Similarity 75.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 3 CRYCNVLC 10
| | | | : | | |
Db 641 CRYCRLLC 648

RESULT 12
5223423-3
Patent No. 5223423
APPLICANT: FRANCHINI, GENOVEFFA;WONG-STAAAL, FLOSSIE;
GALLO, ROBERT
TITLE OF INVENTION: CHARACTERIZATION OF REPLICATION COMPETENT
HUMAN IMMUNODEFICIENCY TYPE 2 PROVIRAL CLONE HIV-2 SBL/ISY
NUMBER OF SEQUENCES: 4
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/331,212
FILING DATE: 03-31-1989
SEQ ID NO:3
LENGTH: 3025
5223423-3

Query Match 35.58; Score 44; DB 6; Length 3025;
Best Local Similarity 44.4%; Pred. No. 4.8e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 4; Gaps 1;

Qy 7 NVLCGER---EEEARAC 20
| : | | | : |
Db 205 NILCGQRMNWTDSQORAC 222

RESULT 13
US-08-482-677-8
Sequence 8, Application US/08482677
Patent No. 6017714
GENERAL INFORMATION:
APPLICANT: Tessier-Lavigne, Marc
APPLICANT: Serafini, Tito
APPLICANT: Kennedy, Timothy
APPLICANT: Placzek, Marysia
APPLICANT: Jessel, Thomas
APPLICANT: Dodd, Jane
TITLE OF INVENTION: Netrins
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
STREET: 268 BUSH STREET, SUITE 3200
CITY: SAN FRANCISCO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

/ CLASSIFICATION: J14
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: US 08/399,411
 / FILING DATE: 06-MAR-1995
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Campbell, Cathryn A.
 / REGISTRATION NUMBER: 31,815
 / REFERENCE/DOCKET NUMBER: P-LJ 1364
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (619) 535-9001
 / TELEFAX: (619) 535-8949
 / INFORMATION FOR SEQ ID NO: 62:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 84 amino acids
 / TYPE: amino acid
 / TOPOLOGY: linear
 / US-08-459-568-62

Search completed: May 23, 2001, 15:56:37
Job time: 170 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:35 ; Search time 109.73 Seconds
(without alignments)
4.202 Million cell updates/sec

Title: US-09-518-931-4_COPY_57_80
Perfect score: 148
Sequence: 1 FVGRPCRDSPITCGPCPRHYHQ 24

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep: *
2: /cgn2_6/ptodata/2/1aa/6A.COMB.pep: *
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep: *
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep: *
5: /cgn2_6/ptodata/2/1aa/PCYUS.COMB.pep: *
6: /cgn2_6/ptodata/2/1aa/backfilest.pep: *

Pred. NO. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 148 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 56 | 37.8 | 401 | 3 | US-08-974-022-6 |
| 3 | 56 | 37.8 | 401 | 4 | US-09-042-785A-12 |
| 4 | 53 | 35.8 | 38 | 1 | US-08-239-256-16 |
| 5 | 51 | 34.5 | 283 | 5 | PCT-US96-12374-2 |
| 6 | 51 | 34.5 | 474 | 2 | US-08-650-000-4 |
| 7 | 51 | 34.5 | 474 | 4 | US-09-042-785A-8 |
| 8 | 51 | 34.5 | 474 | 6 | 5395760-4 |
| 9 | 50 | 33.8 | 416 | 1 | US-08-117-083-62 |
| 10 | 50 | 33.8 | 967 | 2 | US-08-449-645A-30 |
| 11 | 50 | 33.8 | 967 | 2 | US-08-702-367A-30 |
| 12 | 50 | 33.8 | 991 | 2 | US-08-449-645A-13 |
| 13 | 50 | 33.8 | 991 | 2 | US-08-702-367A-13 |
| 14 | 50 | 33.8 | 991 | 5 | PCT-US95-04681-13 |
| 15 | 50 | 33.8 | 1833 | 3 | US-08-479-722B-2 |
| 16 | 50 | 33.8 | 1833 | 5 | PCT-US95-02251-18 |
| 17 | 49 | 33.1 | 277 | 2 | US-08-147-784-2 |
| 18 | 49 | 33.1 | 755 | 3 | US-09-071-101-2 |
| 19 | 49 | 33.1 | 755 | 3 | US-09-369-618-2 |
| 20 | 49 | 33.1 | 755 | 4 | US-09-369-617-2 |
| 21 | 48.5 | 32.8 | 627 | 2 | US-08-466-589-6 |
| 22 | 48.5 | 32.8 | 627 | 2 | US-08-700-636-6 |
| 23 | 48.5 | 32.8 | 627 | 3 | US-08-467-574-6 |
| 24 | 48.5 | 32.8 | 1829 | 4 | US-09-157-420-1 |
| 25 | 48 | 32.4 | 45 | 1 | US-08-117-083-19 |
| 26 | 48 | 32.4 | 139 | 2 | US-08-219-237B-8 |
| 27 | 48 | 32.4 | 186 | 1 | US-08-089-458B-6 |

| | | | | | | |
|----|------|------|------|---|--------------------|-------------------|
| 28 | 48 | 32.4 | 205 | 3 | US-08-974-022-51 | Sequence 51, Appl |
| 29 | 48 | 32.4 | 401 | 3 | US-08-974-022-4 | Sequence 4, Appl |
| 30 | 48 | 32.4 | 401 | 4 | US-09-042-785A-13 | Sequence 13, Appl |
| 31 | 48 | 32.4 | 928 | 1 | US-08-442-248-2 | Sequence 2, Appl |
| 32 | 48 | 32.4 | 928 | 1 | US-08-440-815-2 | Sequence 103, App |
| 33 | 48 | 32.4 | 1005 | 2 | US-08-469-537A-103 | Sequence 7, Appl |
| 34 | 47 | 31.8 | 206 | 1 | US-08-097-827-7 | Sequence 11, Appl |
| 35 | 47 | 31.8 | 206 | 1 | US-08-494-574-7 | Sequence 11, Appl |
| 36 | 47 | 31.8 | 438 | 1 | US-08-097-827-11 | Sequence 4, Appl |
| 37 | 47 | 31.8 | 438 | 1 | US-08-494-574-11 | Sequence 4, Appl |
| 38 | 46.5 | 31.4 | 396 | 1 | US-07-649-591B-4 | Sequence 5, Appl |
| 39 | 46.5 | 31.4 | 396 | 1 | US-08-277-540-4 | Sequence 3, Appl |
| 40 | 46.5 | 31.4 | 396 | 1 | US-08-430-787A-4 | Sequence 3, Appl |
| 41 | 46.5 | 31.4 | 1104 | 2 | US-08-327-832-5 | Sequence 3, Appl |
| 42 | 46.5 | 31.4 | 1104 | 2 | US-08-828-584-5 | Sequence 3, Appl |
| 43 | 46.5 | 31.4 | 1251 | 5 | PCT-US95-02251-3 | Sequence 3, Appl |
| 44 | 46.5 | 31.4 | 1252 | 1 | US-08-199-780-3 | Sequence 3, Appl |
| 45 | 46.5 | 31.4 | 1252 | 2 | US-08-316-650-3 | Sequence 3, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5883800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 148; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 6.2e-10;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 FVORPCRDSPPTGCPHRYT 24
|||||
DB 57 FVORPCRDSPPTGCPHRYT 80

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTROPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavenland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 37.8%; Score 56; DB 3; Length 401;
Best Local Similarity 34.8%; Pred. No. 16;
Matches 8; Conservative 5; Mismatches 10; Indels 0; Gaps 0;

OY 1 FVORPCRDSPPTGCPHRYT 23
|||||
DB 49 YLKQCTAKKTYCACPDPHYT 71

RESULT 3

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts

COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragoras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-12

Query Match 37.8%; Score 56; DB 4; Length 401;
Best Local Similarity 34.8%; Pred. No. 16;
Matches 8; Conservative 5; Mismatches 10; Indels 0; Gaps 0;

OY 1 FVORPCRDSPPTGCPHRYT 23
|||||
DB 49 YLKQCTAKKTYCACPDPHYT 71

RESULT 4

US-08-239-256-16
Sequence 16, Application US/08239256
Patent No. 5585345

GENERAL INFORMATION:

APPLICANT: BOIME, IRVING
APPLICANT: MATZUK, MARTIN M.
APPLICANT: KEENE, JEFFREY L.
TITLE OF INVENTION: CTP EXTENDED FORM OF LH
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W.
CITY: Washington, D.C.
COUNTRY: USA
ZIP: 20006-1812

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/239,256
FILING DATE: 06-MAY-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20030.12

TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 904030
INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:
LENGTH: 38 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-239-256-16

Query Match 35.8%; Score 53; DB 1; Length 38;
Best Local Similarity 52.9%; Pred. No. 4.4;
Matches 9; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 5 PCRPSPTTCGCPGPRH 21
DB 14 PCTCPCRCGCPGSCCH 30

RESULT 5
PCT-US96-12374-2
; Sequence 2, Application PC/TUS9612374
; GENERAL INFORMATION:
; APPLICANT: Northwestern University
; TITLE OF INVENTION: Herpes Virus Entry Mediator
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dressler, Goldsmith, Milnamow & Katz, Ltd.
; STREET: 180 N. Stetson, Suite 4700
; CITY: Chicago
; STATE: Illinois
; COUNTRY: U.S.A.
; ZIP: 60601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/12374
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Northrup, Thomas E.
; REGISTRATION NUMBER: 33,268
; REFERENCE/DOCKET NUMBER: NOR3446P020PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 616-5400
; TELEFAX: (312) 616-5460
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US96-12374-2

Query Match 34.5%; Score 51; DB 5; Length 283;
Best Local Similarity 42.9%; Pred. No. 4.4;
Matches 9; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 2 VORPCRDSPPTCGPCPRHY 22
DB 63 VKACGELGTVCPCPGRY 83

RESULT 6
US-08-650-000-4
; Sequence 4, Application US/08650000
; Patent No. 5945397
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; ADDRESSEE: Goodwin, Raymond G.

APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,000
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,453
; FILING DATE:
; APPLICATION NUMBER: US/08/038,765
; FILING DATE:
; APPLICATION NUMBER: US 403,241
; FILING DATE: 05-SEP-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 405,370
; FILING DATE: 11-SEP-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 421,417
; FILING DATE: 13-OCT-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 523,635
; FILING DATE: 10-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Wright, Christopher L.
; REGISTRATION NUMBER: 31,680
; REFERENCE/DOCKET NUMBER: 2501-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-650-000-4

Query Match 34.5%; Score 51; DB 2; Length 474;
Best Local Similarity 37.5%; Pred. No. 6.9;
Matches 9; Conservative 3; Mismatches 12; Indels 0; Gaps 0;

QY 1 FYORPCRDSPPTCGPCPRHYTQ 24
DB 63 YVHFCNKTSPTVCADCEASMTQ 86

RESULT 7
US-09-042-785A-8
; Sequence 8, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston


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ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/449,645A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-287
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 967 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-449-645A-30

Query Match
Best Local Similarity 33.8%; Score 50; DB 2; Length 967;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

OY 6 CR---RDSP--TTGCPGPPRRHYT 23
Db 257 CRPGFFKASPHIQSGCKCPHSYT 280

RESULT 11
US-08-702-367A-30
Sequence 30, Application US/08702367A
Patent No. 5981246
GENERAL INFORMATION:
APPLICANT: Fox, Gary M.
TITLE OF INVENTION: EPH-like Receptor Protein Tyrosine
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Patent Operations/RBM
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,367A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-287
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 967 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-702-367A-30

Query Match
Best Local Similarity 33.8%; Score 50; DB 2; Length 967;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;
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OY 6 CR---RDSP--TTGCPGPPRRHYT 23
Db 257 CRPGFFKASPHIQSGCKCPHSYT 280

RESULT 12
US-08-449-645A-13
Sequence 13, Application US/08449645A
Patent No. 5981245
GENERAL INFORMATION:
APPLICANT: Fox, Gary M.
TITLE OF INVENTION: EPH-like Receptor Protein Tyrosine
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Patent Operations/RBM
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30

Query Match
Best Local Similarity 33.8%; Score 50; DB 2; Length 991;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

OY 6 CR---RDSP--TTGCPGPPRRHYT 23
Db 281 CRPGFFKASPHIQSGCKCPHSYT 304

RESULT 13
US-08-702-367A-13
Sequence 13, Application US/08702367A
Patent No. 5981246
GENERAL INFORMATION:
APPLICANT: Fox, Gary M.
TITLE OF INVENTION: EPH-like Receptor Protein Tyrosine
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Patent Operations/RBM
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,367A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 991 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-702-367A-13

Query Match          33.8%; Score 50; DB 2; Length 991;
Best Local Similarity 45.8%; Pred. No. 1.7e+02;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

QY 6 CR----RDSP--TTGCPCPPHRYT 23
   || : || : || || || ||
Db 281 CRGPFKASPHIQSCGKCPHSYT 304

RESULT 14
PCT-US95-04681-13
; Sequence 13, Application PC/TUS9504681
; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RBM
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04681
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 991 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-04681-13

Query Match          33.8%; Score 50; DB 5; Length 991;
Best Local Similarity 45.8%; Pred. No. 1.7e+02;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

QY 6 CR----RDSP--TTGCPCPPHRYT 23
   || : || : || || || ||
Db 281 CRGPFKASPHIQSCGKCPHSYT 304

RESULT 15
US-08-479-722B-2
; Sequence 2, Application US/08479722B
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; Patent No. 6074840
; GENERAL INFORMATION:
; APPLICANT: Bonadio, Jeffrey
; APPLICANT: Vio, Mushan
; TITLE OF INVENTION: LATENT TGF BINDING PROTEIN (LTBP)
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Williams, Morgan & Amerson
; STREET: 7676 Hillmont, Suite 250
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77040
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,722B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US95/02251
; FILING DATE: 21-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/316,650
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/199,780
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fussey, Shelley P.M.
; REGISTRATION NUMBER: 39,458
; REFERENCE/DOCKET NUMBER: 4100.000500/RUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (713) 934-7000
; TELEFAX: (713) 934-7011
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1833 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-479-722B-2

Query Match          33.8%; Score 50; DB 3; Length 1833;
Best Local Similarity 77.8%; Pred. No. 3e+02;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 12 TTGCPCPPR 20
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Db 591 TSCAPCPPR 599
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Search completed: May 23, 2001, 15:56:36
Job time: 169 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Comugen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:35 : Search time 109.73 Seconds
(Without alignments)
23.110 Million cell updates/sec

Title: US-09-518-931-4_COPY_1_132

Perfect score: 759
Sequence: 1 MRALEGPGLSLCLVLAIPA.....CGRCTGFPAHAGFLEHASC 132

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
- 5: /cgn2_6/ptodata/2/1aa/PCTUS.COMB.pep.*
- 6: /cgn2_6/ptodata/2/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
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| 1 | 759 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 260.5 | 34.3 | 401 | 3 | US-08-974-022-6 |
| 3 | 260.5 | 34.3 | 401 | 4 | US-09-042-785A-12 |
| 4 | 246 | 32.4 | 401 | 3 | US-08-974-022-4 |
| 5 | 246 | 32.4 | 401 | 4 | US-09-042-785A-13 |
| 6 | 243 | 32.0 | 401 | 3 | US-08-974-022-2 |
| 7 | 186 | 24.5 | 474 | 2 | US-08-650-000-4 |
| 8 | 186 | 24.5 | 474 | 4 | US-09-042-785A-8 |
| 9 | 186 | 24.5 | 474 | 6 | 5395760-4 |
| 10 | 181 | 23.8 | 355 | 1 | US-08-292-549-6 |
| 11 | 176 | 23.2 | 197 | 2 | US-08-505-606-1 |
| 12 | 176 | 23.2 | 227 | 3 | US-08-974-022-48 |
| 13 | 176 | 23.2 | 461 | 1 | US-08-385-229-2 |
| 14 | 176 | 23.2 | 461 | 2 | US-08-650-000-2 |
| 15 | 176 | 23.2 | 461 | 2 | US-09-042-785A-7 |
| 16 | 176 | 23.2 | 461 | 6 | 5395760-2 |
| 17 | 176 | 23.2 | 486 | 1 | US-08-243-010-1 |
| 18 | 176 | 23.2 | 518 | 1 | US-08-385-229-4 |
| 19 | 168 | 22.1 | 120 | 3 | US-08-974-022-42 |
| 20 | 168 | 22.1 | 253 | 4 | US-09-042-785A-4 |
| 21 | 168 | 22.1 | 605 | 4 | US-09-042-785A-23 |
| 22 | 168 | 22.1 | 655 | 3 | US-08-959-382-2 |
| 23 | 165 | 21.7 | 163 | 2 | US-08-219-237B-5 |
| 24 | 163 | 21.5 | 164 | 2 | US-08-232-087A-9 |
| 25 | 152 | 20.0 | 326 | 5 | US-08-292-549-4 |
| 26 | 152 | 20.0 | 326 | 5 | PCT-US91-02207-4 |
| 27 | 151.5 | 20.0 | 207 | 3 | US-08-974-022-47 |

| | | | | | | |
|----|-------|------|-----|---|------------------|--------------------|
| 28 | 151.5 | 20.0 | 325 | 1 | US-08-292-549-2 | Sequence 2, Appl1 |
| 29 | 151.5 | 20.0 | 325 | 4 | US-09-042-785A-9 | Sequence 9, Appl1 |
| 30 | 151.5 | 20.0 | 325 | 5 | PCT-US91-02207-2 | Sequence 2, Appl1 |
| 31 | 141.5 | 18.6 | 277 | 2 | US-08-147-784-2 | Sequence 2, Appl1 |
| 32 | 140 | 18.4 | 283 | 5 | US-08-089-458B-6 | Sequence 6, Appl1 |
| 33 | 133.5 | 17.6 | 283 | 5 | PCT-US96-12374-2 | Sequence 2, Appl1 |
| 34 | 124 | 16.3 | 125 | 3 | US-08-959-382-4 | Sequence 4, Appl1 |
| 35 | 124 | 16.3 | 327 | 4 | US-08-290-640-66 | Sequence 66, Appl1 |
| 36 | 123 | 16.2 | 70 | 3 | US-08-974-022-41 | Sequence 41, Appl1 |
| 37 | 123 | 16.2 | 169 | 3 | US-08-630-172-11 | Sequence 11, Appl1 |
| 38 | 121.5 | 16.0 | 205 | 3 | US-08-974-022-51 | Sequence 51, Appl1 |
| 39 | 120.5 | 15.9 | 625 | 3 | US-08-996-139-15 | Sequence 15, Appl1 |
| 40 | 119.5 | 15.7 | 139 | 2 | US-08-219-237B-8 | Sequence 8, Appl1 |
| 41 | 118 | 15.5 | 119 | 2 | US-08-219-237B-3 | Sequence 3, Appl1 |
| 42 | 118 | 15.5 | 206 | 1 | US-08-057-827-7 | Sequence 7, Appl1 |
| 43 | 118 | 15.5 | 206 | 1 | US-08-494-574-7 | Sequence 7, Appl1 |
| 44 | 118 | 15.5 | 219 | 3 | US-08-974-022-45 | Sequence 45, Appl1 |
| 45 | 118 | 15.5 | 314 | 1 | US-08-444-231-19 | Sequence 19, Appl1 |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0% Score 759, DB 2, Length 300:

Best Local Similarity 100.0%; Pred. No. 1.2e-64;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLVIALPPLPVPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQR 60
1 MRALEGGSLILCLVIALPPLPVPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQR 60
DB 1 MRALEGGSLILCLVIALPPLPVPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQR 60
QY 61 PCRDSPTTCGPPPHRYTOFWMYLERCRYCNVLCGEREEBARACHATHNRACRCRTGFF 120
61 PCRDSPTTCGPPPHRYTOFWMYLERCRYCNVLCGEREEBARACHATHNRACRCRTGFF 120
DB 61 PCRDSPTTCGPPPHRYTOFWMYLERCRYCNVLCGEREEBARACHATHNRACRCRTGFF 120
QY 121 AHAGFCLERHASC 132
121 AHAGFCLERHASC 132
DB 121 AHAGFCLERHASC 132

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Denavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 34.3%; Score 260.5; DB 3; Length 401;
Best Local Similarity 37.9%; Pred. No. 2.2e-17;
Matches 47; Conservative 19; Mismatches 53; Indels 5; Gaps 2;

QY 11 LCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQRPCRDSPT 68
11 LCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQRPCRDSPT 68
DB 4 LCLCAL---VFIDISIKMTTQETFFPKYLHYDETSHTLLOCKCPGTYLKHCHTAKWMT 60
QY 69 TCGPCPPPHRYTOFWMYLERCRYCNVLCGEREEBARACHATHNRACRCRTGFFAHAGFCL 128
69 TCGPCPPPHRYTOFWMYLERCRYCNVLCGEREEBARACHATHNRACRCRTGFFAHAGFCL 128
DB 61 VCAPCPDHYTDSWHTSDCLYCSPVCKELOYVKDCNTHNRVCECKGRLYEIEFCLK 120
QY 129 HASC 132
129 HASC 132
DB 121 HNSC 124
121 HNSC 124

RESULT 3

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

Query Match 34.3%; Score 260.5; DB 4; Length 401;
Best Local Similarity 37.9%; Pred. No. 2.2e-17;
Matches 47; Conservative 19; Mismatches 53; Indels 5; Gaps 2;

QY 11 LCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQRPCRDSPT 68
11 LCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQRPCRDSPT 68
DB 4 LCLCAL---VFIDISIKMTTQETFFPKYLHYDETSHTLLOCKCPGTYLKHCHTAKWMT 60
QY 69 TCGPCPPPHRYTOFWMYLERCRYCNVLCGEREEBARACHATHNRACRCRTGFFAHAGFCL 128
69 TCGPCPPPHRYTOFWMYLERCRYCNVLCGEREEBARACHATHNRACRCRTGFFAHAGFCL 128
DB 61 VCAPCPDHYTDSWHTSDCLYCSPVCKELOYVKDCNTHNRVCECKGRLYEIEFCLK 120
QY 129 HASC 132
129 HASC 132
DB 121 HNSC 124
121 HNSC 124
RESULT 4
US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN

```

NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wintler, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
;
;
US-08-974-022-4

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Query Match          32.4%: Score 246; DB 3; Length 401;
Best Local Similarity 40.4%: Pred No. 5, 2e-16;
Matches 40; Conservative 16; Mismatches 43; Indels 0; Gaps:

OY      34  PYPWRADTGERLWCAQCPGTFVQAPRCRBDSPPTGCGPCPPRHYYTFNNYLERCRYCNV 933
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      26  PKYLHPDEGTGHQLCDKRCAPFTYLCQKCTVRRKTLTCLVPCPDHSYTSWMTSDCYCSP 855
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY      94  LCGREEREARACHATYHNRCRCRRTGFPFAHAGFCLHASC 132
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      86  VKCELQSVKQECNRTNHRVCECEEGRYLEIEFCLKHRC 124
          | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT      5
US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
City: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042.785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:

```

```

1 NAME: Mandragouras, Amy E
2 REGISTRATION NUMBER: 36,207
3 REFERENCE/DOCKET NUMBER: MEI-001CPR
4 TELECOMMUNICATION INFORMATION:
5 TELEPHONE: (617)227-7400
6 TELEFAX: (617)742-4214
7 INFORMATION FOR SEO ID NO: 13:
8 SEQUENCE CHARACTERISTICS:
9 LENGTH: 401 amino acids
10 TYPE: amino acid
11 TOPOLOGY: linear
12 MOLECULE TYPE: peptide
13 FRAGMENT TYPE: Internal
14
15 JS-09-042-785A-13

```

| | | | | |
|-----------------------|--------|---|-------|----------------------------------|
| Query Match | 32.4%; | Score 246; | DB 4; | Length 401; |
| Best Local Similarity | 40.4%; | Pred. No. 5.2e-16; | | |
| Matches | 40; | Conservative | 16; | Mismatches 43; Indels 0; Gaps 0; |
| Oy | 34 | PTYPRAADATGRTGACACPGTGFVORRCRNRSPITGCGPRRHNYTOFNALERCRCYV | 93 | |
| | | | | |
| Db | 26 | PKYLLHYDPTGTGQLLDCKACAPVTYKQNCSTYAKRLCLVCPRPSTHSDSNHTGDECVYCS | 85 | |
| | | | | |
| Oy | 94 | LCGEREEERACHATHTNRACRRTGFPAHAGCGLDENAC | 132 | |
| | | | | |
| Db | 86 | VCKELQSVKQECNRRTHNRVCECEERAYLETEFCFLNHR | 124 | |
| | | | | |

RESULT 6
 US-08-974-022-2
 Sequence 2, Application US/08974022
 Patent No. 6015938
 GENERAL INFORMATION:
 APPLICANT: Boyle, William J.
 APPLICANT: Lacey, David L.
 APPLICANT: Calzone, Frank J.
 APPLICANT: Chang, Ming-Shi
 TITLE OF INVENTION: OSTEOPROTEGERIN
 NUMBER OF SEQUENCES: 53
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Amgen Inc.
 STREET: 1840 Dehavilland Drive
 CITY: Thousand Oaks
 STATE: California
 COUNTRY: USA
 ZIP: 91320-1789
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/974, 022
 FILING DATE: 12-DEC-1995
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/577,788
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Winter, Robert B.
 REFERENCE/DOCKET NUMBER: A-378
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 401 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-974-022-2

42 FTGERTVCAACBPGETVORPCRBNSPTTCG

Db 25 EPHRHCSCPCPGTYVSANCSRIQDTVCATCAENSYNEHWNITLTCQLCRPCDPVWG-- 82
QY 99 EEBARACHATHNRACRCRGTGFHAGFLEHASC 132
Db 83 LEEIAPCTSKRKTCRCRCQPMFC-AAWALCCTHC 115

RESULT 12

US-08-974-022-48
Sequence 48, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-974-022-48

Query Match 23.2%; Score 176; DB 3; Length 227;
Best Local Similarity 32.0%; Pred. No. 1.2e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GLSLICLVIALPALPVRNVAEPTTPYWRDAE-----RLVCAQCPG 55
Db 13 GLELMAAAHPLA-----QVAFTPYAP-----EPSTCLRLRYDQIAQCCSKSPG 60
QY 56 TFVORPCRRDSPTTCGCPRRHYTOFWNYLERCRVCNVLGGEEREERACHATHNRACRC 115
Db 61 QHAKVFCTKTSIDVDCSCEDSTYTQLMNMVPECLSCGSCSSDQVETQACTRQNRICTC 120
QY 116 RTGFF 120
Db 121 RPGMY 125

RESULT 13

US-08-385-229-2
Sequence 2, Application US/08385229
Patent No. 5605690
GENERAL INFORMATION:
APPLICANT: Jacobs, Cindy A.

APPLICANT: Smith, Craig A.
TITLE OF INVENTION: Method of Treating TNF-Dependent
TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,229
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/946,236
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Wright, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2503
TELEPHONE: (206) 587-0430
TELEFAX: (206) 587-0606
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-385-229-2

Query Match 23.2%; Score 176; DB 1; Length 461;
Best Local Similarity 32.0%; Pred. No. 2.5e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GLSLICLVIALPALPVRNVAEPTTPYWRDAE-----RLVCAQCPG 55
Db 13 GLELMAAAHPLA-----QVAFTPYAP-----EPSTCLRLRYDQIAQCCSKSPG 60
QY 56 TFVORPCRRDSPTTCGCPRRHYTOFWNYLERCRVCNVLGGEEREERACHATHNRACRC 115
Db 61 QHAKVFCTKTSIDVDCSCEDSTYTQLMNMVPECLSCGSCSSDQVETQACTRQNRICTC 120
QY 116 RTGFF 120
Db 121 RPGMY 125

RESULT 14

US-08-650-000-2
Sequence 2, Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101


```

:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/650,000
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/468,453
: FILING DATE:
: APPLICATION NUMBER: US/08/038,765
: FILING DATE:
: APPLICATION NUMBER: US 403,241
: FILING DATE: 05-SEP-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 405,370
: FILING DATE: 11-SEP-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 421,417
: FILING DATE: 13-OCT-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 523,635
: FILING DATE: 10-MAY-1990
: ATTORNEY/AGENT INFORMATION:
: NAME: Wight, Christopher L.
: REGISTRATION NUMBER: 31,680
: REFERENCE/DOCKET NUMBER: 2501-D
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 587-0430
: TELEFAX: (206) 233-0644
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 461 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-650-000-2

Query Match      23.2%; Score 176; DB 2; Length 461;
Best Local Similarity 32.0%; Pred. No. 2.5e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GSLSLCLVLAIPALLPVAVRGVAETPTYPMDAETGE-----RLVCAQCPCPG 55
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 13 GLELMAAAHALPA-----QVAFTPYAP---EPGSTCRLREYYDDTAQKCSKSPG 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 56 TFVQRPGRDSTPTGCPGPPRHYTQFWMYLERGRCNVLCGRREDEARACHATHNRACG 115
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 QHAKVFCTKTSJTVCDSCEDSTYTQLMNMVPECLSGSRCSDDOYETQACTREONRITC 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 116 RTGFF 120
   | | :
DB 121 RQGW 125

RESULT 15
US-09-042-785A-7
: Sequence 7, Application US/09042785A
: Patent No. 6194151
: GENERAL INFORMATION:
: APPLICANT: Bostfield, Samantha J
: TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: LAHIVE & COCKFIELD, LLP
: STREET: 28 State Street
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: USA
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: ZIP: 02109
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/042,785A
: FILING DATE: 17-MAR-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/938,896
: FILING DATE: 26-SEP-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Mandagouras, Amy E
: REGISTRATION NUMBER: 36,207
: REFERENCE/DOCKET NUMBER: MEI-001CP
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 227-7400
: TELEFAX: (617) 742-4214
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 461 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
: FRAGMENT TYPE: Internal
: US-09-042-785A-7

Query Match      23.2%; Score 176; DB 4; Length 461;
Best Local Similarity 32.0%; Pred. No. 2.5e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GSLSLCLVLAIPALLPVAVRGVAETPTYPMDAETGE-----RLVCAQCPCPG 55
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 13 GLELMAAAHALPA-----QVAFTPYAP---EPGSTCRLREYYDDTAQKCSKSPG 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 56 TFVQRPGRDSTPTGCPGPPRHYTQFWMYLERGRCNVLCGRREDEARACHATHNRACG 115
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 QHAKVFCTKTSJTVCDSCEDSTYTQLMNMVPECLSGSRCSDDOYETQACTREONRITC 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 116 RTGFF 120
   | | :
DB 121 RQGW 125
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Search completed: May 23, 2001, 15:56:35
Job time: 168 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:34 ; Search time 109.73 Seconds

(without alignments)
24.510 Million cell updates/sec

Title: US-09-518-931-4_COPY_31_170

Perfect score: 821
Sequence: 1 AETPTVPMRAETGERLVCA.....PRSGRRGCGVAGPSLAP 140

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/PCITUS_COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/backfiles1.pep:*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 667 | 81.2 | 300 | 2 | US-08-794-796-2 |
| 2 | 292.5 | 33.6 | 401 | 3 | US-08-974-022-6 |
| 3 | 292.5 | 35.6 | 401 | 4 | US-09-042-785A-12 |
| 4 | 285.5 | 34.8 | 401 | 3 | US-08-974-022-4 |
| 5 | 285.5 | 34.8 | 401 | 4 | US-09-042-785A-13 |
| 6 | 282.5 | 34.4 | 401 | 4 | US-08-974-022-2 |
| 7 | 203 | 24.7 | 474 | 2 | US-08-650-000-4 |
| 8 | 203 | 24.7 | 474 | 2 | US-09-042-785A-8 |
| 9 | 203 | 24.7 | 474 | 6 | 5395760-4 |
| 10 | 191 | 23.3 | 163 | 2 | US-08-219-237B-5 |
| 11 | 189 | 23.0 | 164 | 2 | US-08-232-087A-9 |
| 12 | 189 | 23.0 | 227 | 3 | US-08-974-022-48 |
| 13 | 189 | 23.0 | 461 | 1 | US-08-385-229-2 |
| 14 | 189 | 23.0 | 461 | 2 | US-08-650-000-2 |
| 15 | 189 | 23.0 | 461 | 2 | US-09-042-785A-7 |
| 16 | 189 | 23.0 | 461 | 6 | 5395760-2 |
| 17 | 189 | 23.0 | 486 | 1 | US-08-243-010-1 |
| 18 | 189 | 23.0 | 518 | 1 | US-08-385-229-4 |
| 19 | 187.5 | 22.8 | 253 | 4 | US-09-042-785A-4 |
| 20 | 187.5 | 22.8 | 605 | 4 | US-09-042-785A-23 |
| 21 | 187.5 | 22.8 | 655 | 3 | US-08-959-382-2 |
| 22 | 186 | 22.7 | 197 | 2 | US-08-505-606-1 |
| 23 | 184 | 22.4 | 355 | 1 | US-08-292-549-6 |
| 24 | 170.5 | 20.8 | 207 | 3 | US-08-974-022-47 |
| 25 | 170.5 | 20.8 | 325 | 1 | US-08-292-549-2 |
| 26 | 170.5 | 20.8 | 325 | 4 | US-09-042-785A-9 |
| 27 | 170.5 | 20.8 | 325 | 5 | PCR-US91-02207-2 |

| | | | | | | |
|----|-------|------|-----|---|------------------|-------------------|
| 28 | 165.5 | 20.2 | 326 | 1 | US-08-292-549-4 | Sequence 4, Appl |
| 29 | 165.5 | 20.2 | 326 | 5 | PCR-US91-02207-4 | Sequence 4, Appl |
| 30 | 163 | 19.9 | 120 | 3 | US-08-974-022-42 | Sequence 42, Appl |
| 31 | 147 | 17.9 | 277 | 2 | US-08-147-784-2 | Sequence 2, Appl |
| 32 | 143.5 | 17.5 | 283 | 3 | PCR-US96-12374-2 | Sequence 2, Appl |
| 33 | 140.5 | 17.1 | 186 | 1 | US-08-089-458B-6 | Sequence 6, Appl |
| 34 | 134 | 16.3 | 122 | 2 | US-08-232-087A-7 | Sequence 7, Appl |
| 35 | 129.5 | 15.8 | 139 | 2 | US-08-219-237B-8 | Sequence 8, Appl |
| 36 | 129.5 | 15.8 | 451 | 3 | US-08-966-139-4 | Sequence 4, Appl |
| 37 | 129.5 | 15.8 | 591 | 3 | US-08-996-139-2 | Sequence 2, Appl |
| 38 | 129.5 | 15.8 | 616 | 3 | US-08-996-139-6 | Sequence 6, Appl |
| 39 | 129 | 15.7 | 205 | 3 | US-08-974-022-51 | Sequence 51, Appl |
| 40 | 129 | 15.7 | 206 | 1 | US-08-097-827-7 | Sequence 7, Appl |
| 41 | 129 | 15.7 | 206 | 1 | US-08-494-574-7 | Sequence 7, Appl |
| 42 | 129 | 15.7 | 438 | 1 | US-08-097-827-11 | Sequence 11, Appl |
| 43 | 129 | 15.7 | 438 | 1 | US-08-494-574-11 | Sequence 11, Appl |
| 44 | 127 | 15.5 | 327 | 4 | US-09-290-640-66 | Sequence 66, Appl |
| 45 | 127 | 15.5 | 573 | 4 | US-09-042-785A-2 | Sequence 2, Appl |

ALIGNMENTS

```

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESS: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
Query Match 81.2% Score 667; DB 2; Length 300;

```


1 CITY: Thousand Oaks
2 STATE: California
3 COUNTRY: USA
4 ZIP: 91320-1789
5
6 COMPUTER READABLE FORM:
7 MEDIUM TYPE: Floppy disk
8 COMPUTER: IBM PC compatible
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10 SOFTWARE: Patent In Release #1.0, Version #1.30
11
12 CURRENT APPLICATION DATA:
13 APPLICATION NUMBER: US/08/974,022
14 FILING DATE: 12-DEC-1995
15
16 CLASSIFICATION:
17 PRIOR APPLICATION DATA:
18 APPLICATION NUMBER: 08/577,788
19 FILING DATE:
20 ATTORNEY/AGENT INFORMATION:
21 NAME: Winler, Robert B.
22 REFERENCE/DOCKET NUMBER: A-378
23
24 INFORMATION FOR SEQ ID NO: 4:
25 SEQUENCE CHARACTERISTICS:
26 LENGTH: 401 amino acids
27 TYPE: amino acid
28 TOPOLOGY: linear
29
30 MOLECULE TYPE: protein
31
32 OS-08-974-0222-4

| | | | | |
|-----------------------|-----------------|-------------------|-----------|------------|
| Query Match | 34.8% | Score 285.5 | DB 3 | Length 401 |
| Best Local Similarity | 37.6% | Pred. No. 5.8e-19 | | |
| Matches 53 | Conservative 22 | Mismatches 55 | Indels 11 | Gaps 3 |

[illegible]

RESULT 5
US-09-042-785A-13
; Sequence 13, Application US/09042785A

1 APPLICANT: Busfield, Samantha J
2 TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
3 TITLE OF INVENTION: AND USES THEREOF
4 NUMBER OF SEQUENCES: 31
5 CORRESPONDENCE ADDRESS:
6 ADDRESSEE: LAHIVE & COCKFIELD, LLP
7 STREET: 28 State Street
8 City: Boston
9 STATE: Massachusetts
10 COUNTRY: USA
11 Zip: 02109
12
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: Floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: Patent In Release #1.0, Version #1.25
18 CURRENT APPLICATION DATA:
19 APPLICATION NUMBER: US/09/042,785A
20 FILING DATE: 17-MAR-1998
21 PRIOR APPLICATION DATA:
22 APPLICATION NUMBER: US 08/938,896
23 FILING DATE: 26-SEP-1997
24 ATTORNEY/AGENT INFORMATION:
25

```

? NAME: Mandragoras, Amy E
? REGISTRATION NUMBER: 36,207
? REFERENCE/DOCKET NUMBER: MEI-001CE
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (617)227-7400
? TELEFAX: (617)742-4214
? INFORMATION FOR SEQ ID NO: 13:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 401 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: peptide
? FRAGMENT TYPE: internal
US-09-042-785A-13

```

| | | | | |
|-----------------------|-----------------|-------------------|-----------|------------|
| Query Match | 34.8% | Score 285.5 | DB 4 | Length 401 |
| Best Local Similarity | 37.6% | Pred. No. 5.8e-19 | | |
| Matches 53 | Conservative 22 | Mismatches 55 | Indels 11 | Gaps 3 |

[illegible]

```

RESULT 6
US-08-974-022-2
: Sequence 2, Application US/08974022
: Patent No. 6015938
: GENERAL INFORMATION:
: APPLICANT: Boyle, William J.
: APPLICANT: Lacey, David L.
: APPLICANT: Calzone, Frank J.
: APPLICANT: Chang, Ming-Shi
: TITLE OF INVENTION: OSTROPROTEGERIN
: NUMBER OF SEQUENCES: 53
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Amgen Inc.
: STREET: 1840 Dehavilland Drive
: CITY: Thousand Oaks
: STATE: California
: COUNTRY: USA
: ZIP: 91320-1789
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/974,022
: FILING DATE: 12-DEC-1995
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/577,788
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Winter, Robert B.
: REFERENCE/DOCKET NUMBER: A-378
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 401 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-08-974-022-2

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Query Match Similarity 34.4%; Score 282.5; DB 3; Length 401;
Best Local Similarity 38.3%; Pred. No. 1.1e-18;
Matches 54; Conservative 20; Mismatches 56; Indels 11; Gaps 3;

OY 4 PTYWRDAETGERLVCAOCPPTGVQRPDRDPTTCGPCPPRHATOPWNYLERCYCNV 63
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 26 KYLYHDETFEGRLCLDCKAPCTTJLKQCHTVCARKTLVCYCPDYSYSDSWHTSDRCVYCS 85
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OY 64 LCGEEHEEARACHNTHNACRCRGTGFPAHAGCIEHASCPRACGVIAGESNARGCARS 123
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DB 86 VCKEQTQVKEQENRHNHNVCEESRYILELFCILNHRSCPPGLGVL-----QAGTPER 138
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OY 124 GG--NRGCRGVAG--PSLAP 140
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 139 NTVCRCRCPDGFSSGETSSKAP 159
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 7
US-08-650-000-4
: Sequence 4, Application US/08650000
: Patent No. 5945397

GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,000
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/468,453
FILING DATE:
APPLICATION NUMBER: US/08/038,765
FILING DATE:
APPLICATION NUMBER: US 403,241
FILING DATE: 05-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 405,370
FILING DATE: 11-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 421,417
FILING DATE: 13-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 523,635
FILING DATE: 10-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2501-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear

```

```

;      MOLECULE TYPE:  protein
US-08-650-000-4

Query Match      24.7%; Score 203; DB 2; Length 474;
Best Local Similarity 31.8%; Pred. No. 2.5e-11;
Matches 42; Conservatve 13; Mismatches 55; Indels 22; Gaps 3;

QY 16 RLVCAQCPGPFVQAPRCRDSPPTGCPCEPRHYTQFMVYLERCRYCNVLGGEREEARAC 75
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 52 QMCAKACKCPGGVYKHFCKNTSDPTVADCADEASMTYQVMNDFRCLSCSSCTIDVYEIRAC 111
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 76 HATHNAPRCORTGF-----AHAGF---CLEHASCPPGAGVLAPESSWARGAPRSGGRRC 128
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 112 TKQGNRVVCACEAGRYCALKTHGSGCRQCMRLSKGPGFGV-----ASSRA 156
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 129 GRGQVAGPSLAP 140
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 157 PNGNVLYCKACAP 168
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

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01 16 RLVACACPGGFFVGPACRSDSPPTGCGPCDPRIHYTOFMWNLKRCRYCNVLCGREGFEARAC 75
02 52 QMCAKCPGGGVYKFFCNKTSIDTVACADCAASMTYVWNOFRTCLSCSSCTTDQVETIRAC 111
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Oy 76 HATHRRACRGRGFE-----AHAGF---CTEHSACPBGAVIAPGSMNAGCAPRSGGRC 128
| | | | |
Db 112 TKOONRVACEAGRCALKTHSGSCROCMRLUSCGPGFY-----ASSRA 156

QY 129 GRGOVAGPSLAP 140
| | : | |
Db 157 PNGNVLCXACAP 168

RESULT 9
5395760-4
Patent No. 5395760
Applicant: SMITH, CRAIG A.; GOODWIN, RAYMOND G.; BECKMANN,
J.M. PATRICIA
TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND
B-RECEPTORS
NUMBER OF SEQUENCES: 17
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/523,635
FILING DATE: 10-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 421,417
FILING DATE: 13-OCT-1989
APPLICATION NUMBER: 405,370
FILING DATE: 11-SEP-1989
APPLICATION NUMBER: 403,241
FILING DATE: 05-SEP-1989
SEQ ID NO.:4;
LENGTH: 474
5395760-4

```

Query Match          24.7%; Score 203; DB 6; Length 474;
Best Local Similarity 31.8%; Pred. No. 2.5e-11;
Matches      42; Conservative    13; Mismatches   35; Indels    22; Gaps     3

Cy       16 RLVCAOCPGTEFVQHPCRDRDSPPTTCGPCCPRHYTGFWMYLEGRYCNYLGEREEERARAC 75
           ::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db       52 QMCAKCKPFGGVYKHFKCNKTSDTVCADCEASMYTQVMNQFRCLCSCSSCTTDGYEIRAC 111
           ::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

Cy       76 HATHNRACRCRTGEF---AHAGF---CLEHASCSPGACVIAPGESWANGAIPRSGCRC 128
           |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      112 TKQQRVCAACEGRYCALTKTHSGRCROCMRLSKCGPGFV-----ASSRA 156
           |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

Cy      129 GRGOVAGPSLP 140
           |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      157 PNGNVLCRKACAP 168

RESULT      10
US-08-219-237B-5
: Sequence 5, Application US/08219237B
: Patent No. 5874546
: GENERAL INFORMATION:
: APPLICANT: NAGATA, Shigekazu
: APPLICANT: ITOH, Naoto
: APPLICANT: YONEHARA, Shin
: TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
: NUMBER OF SEQUENCES: 11
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: James W. Hellwege
: STREET: P.O. Box 2266 Eads Station
: CITY: Arlington
: STATE: Virginia
: COUNTRY: USA
: ZIP: 22202

COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/219,237B

```

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1 CLING DATE: 28-MAR-1994
2 CLASSIFICATION: 435
3 PRIOR APPLICATION DATA:
4 APPLICATION NUMBER: US 07/872,129
5 FILING DATE: 22-APR-1992
6 CLASSIFICATION: 435
7 ATTORNEY/AGENT INFORMATION:
8 NAME: James W. Hellwege
9 REGISTRATION NUMBER: 28,808
10 REFERENCE/DOCKET NUMBER: 516762
11 INFORMATION FOR SEQ ID NO: 5:
12     SEQUENCE CHARACTERISTICS:
13         LENGTH: 163 amino acids
14         TYPE: amino acid
15         TOPOLOGY: linear
16     MOLECULE TYPE: protein
17
18 US-08-219-237B-5

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Query Match 23.3%; Score 191; DB 2; Length 163;
Best Local Similarity 33.0%; Pred. No. 1e-10;
Matches 34; Conservative 13; Mismatches 50; Indels 6; Gaps 1

OY 16 RLYGCGSPGTFVQPCSRDPTTGGCPKRYXTGDMWYLECRCNVLCGRREEARAC 75
|||:::|||||:
DB 13 QMCCCKCSPGHAKAFCTKTSDTVDCSDSTIYTQMMNVPCLSLSGSCSDQVETQAC 72
|||:::|||||:
OY 76 HATHNRACRCRTGTFFAHAG-----FCLHEHASCPPGAGYIAPG 112
|||:::|||||:
DB 73 TREONRITCRGHWYCALSKEGCRIICAPLNRCDRGFGVARRG 115
|||:::|||||:

1
 US-08-232-087A-9
 Sequence 9, Application US/08232087A
 Patent No. 5866372
 GENERAL INFORMATION:
 APPLICANT: Stein, Harald
 APPLICANT: D ikop, Horst
 APPLICANT: Latza, Ute
 TITLE OF INVENTION: Lymphoid CD30-Antigen
 NUMBER OF SEQUENCES: 11
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Birch, Stewart, Kolasch & Birch, LLP
 STREET: 8110 Gatehouse Road, Suite 500 East
 CITY: Falls Church
 STATE: Virginia
 COUNTRY: U.S.A.
 ZIP: 22042
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/232.087A
 FILING DATE: 08-SEP-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Murphy Jr., Gerald M.
 REGISTRATION NUMBER: 28,977
 REFERENCE/DOCKET NUMBER: 756-103P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 205-8000
 TELEFAX: (703) 205-8050
 TELEX: 248345
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 164 amino acids
 TYPE: amino acid
 STRANDEDNESS: not relevant
 TOPOLOGY: linear
 MOLECULE TYPE: protein

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?      HYPOTHETICAL: NO
?      FRAGMENT TYPE: Internal
?      FEATURE:
?      NAME/KEY: Protein
?      LOCATION: 1..164
?      OTHER INFORMATION:
?
? OS-08-232-087A-9 /note= "TNR2, see Fig. 5"

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|-----------------------|------------------|--------------------|-----------|-------------|
| Query Match | 23.0%; | Score 189; | DB 2; | Length 164; |
| Best Local Similarity | 33.0%; | Pred. No. 1.6e-10; | | |
| Matches 34; | Conservative 12; | Mismatches 51; | Indels 6; | Gaps 1; |

Oy 16 RLVAQCPRGFTVQRPCRDSPITCGPCEPRHYTQTWMNYLERKRYCNVLGGEREEARAC 75
 :: :: :: : : : | | | :: :: : : :
Db 14 QMCSCSGPGHAKVFCTKTSDTFVCDSCEBSTDYTLQMNWVPBELSCGSRSSDYETQAC 73

QY 76 HATNRACRCRIGFFAHG-----FCLHASCPGAGVIAG 112
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Db 74 TREONRICTCRGWYCATSKQEGCRICAPLRKCRPGFEVAR 116

RESULT 12
US-08-974-022-48

Sequence 48, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.300
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-48

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|-----------------------|------------------|--------------------|-----------|-------------|
| Query Match | 23.0%; | Score 189; | DB 3; | Length 227; |
| Best Local Similarity | 33.0%; | Pred. No. 2.2e-10; | | |
| Matches 34; | Conservative 12; | Mismatches 51; | Indels 6; | Gaps 1 |

Oy 16 RLVAQCCPGTIVQRPCRKRSPTTCGCPRPRTHTQFWNTLRCRYCNVLCGEREEEARAC 75
:: : : : : : : : : : : : : : : :
Db 51 QMCSKSCSPGHAKVFCTKSTDTVCBCEDEDSTYTQLMNWVECLSCSGRCSDDYETQAC 110

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QY      76  HATNNRACRCRIGFEFAHAG-----FCLHNASCPGAGVIAG 112
          || || || || || || || || || || || || || || ||
Db      111  TREQNRICTCRGWYCALSKQEGCHLCAPLRKCRPGREVARAG 153

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RESULT 13
US-08-385-229-2

Sequence 2, Application US/08385229
Patent No. 5605690
GENERAL INFORMATION:
APPLICANT: Jacobs, Cindy A.
APPLICANT: Smith, Craig A.
TITLE OF INVENTION: Method of Treating TNF-Dependent
TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,229
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/946,236
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2503
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 587-0606
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-385-229-2

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|-----------------------|--------|--------------------|--------|----------------|
| Query Match | 23.0%; | Score 189; | DB 1; | Length 461; |
| Best Local Similarity | 33.0%; | Pred. No. 4.6e-10; | | |
| Matches | 34; | Conservative | 12; | Mismatches 51; |
| | | | Indels | 6; |
| | | | Gaps | 1; |

Oy 16 RLVCACPEGTFVQAPCRKRDSPPTTCGPRIHYQTQFWNLERCRCYNVLGEREEARAC 75
::
Db 51 QMCKSKCSGGHAKAFCTKTSDTVCSCCEDSTYTQLMNVPCECLSGSRSSDQYETQAC 110

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QY      76  HAHNRACRPTGFAHA-----FCLHASCPGAGVIAG 112
          .| | | | | : :      | | | | | |
Db      111 TRENRITCRGWTALSKOEGCLCAPLRKRPFGVAPDG 153

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RESULT 14
US-08-650-

Sequence 2, Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:34 ; Search time 109.73 Seconds
(without alignments)
29.763 Million cell updates/sec

Title: US-09-518-931-4

Perfect score: 968
Sequence: 1 MRALEGPGLSLCLVLAIPA.....PRSGRRCGRGQVAGPSLAP 170

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA:*

- 1: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Length | DB ID | Description |
|------------|-------|--------------|-------|-------------------------------------|
| 1 | 814 | 84.1 | 300 2 | US-08-794-796-2 Sequence 2, Appl |
| 2 | 296 | 30.6 | 401 3 | US-08-974-022-6 Sequence 6, Appl |
| 3 | 296 | 30.6 | 401 4 | US-09-042-785A-12 Sequence 12, Appl |
| 4 | 285.5 | 29.5 | 401 3 | US-08-974-022-4 Sequence 4, Appl |
| 5 | 285.5 | 29.5 | 401 4 | US-09-042-785A-13 Sequence 13, Appl |
| 6 | 282.5 | 29.2 | 401 3 | US-08-974-022-2 Sequence 2, Appl |
| 7 | 203 | 21.0 | 474 2 | US-08-650-000-4 Sequence 4, Appl |
| 8 | 203 | 21.0 | 474 4 | US-09-042-785A-8 Sequence 8, Appl |
| 9 | 203 | 21.0 | 474 6 | 5395760-4 Patent No. 5395760 |
| 10 | 202 | 20.9 | 227 3 | US-08-974-022-48 Sequence 48, Appl |
| 11 | 202 | 20.9 | 461 1 | US-08-385-229-2 Sequence 2, Appl |
| 12 | 202 | 20.9 | 461 2 | US-08-650-000-2 Sequence 2, Appl |
| 13 | 202 | 20.9 | 461 4 | US-09-042-785A-7 Patent No. 5395760 |
| 14 | 202 | 20.9 | 461 6 | 5395760-2 Patent No. 5395760 |
| 15 | 202 | 20.9 | 486 1 | US-08-243-010-1 Sequence 1, Appl |
| 16 | 202 | 20.9 | 518 1 | US-08-385-229-4 Sequence 4, Appl |
| 17 | 191 | 19.7 | 163 2 | US-08-219-237B-5 Sequence 5, Appl |
| 18 | 190 | 19.6 | 355 2 | US-08-292-549-6 Sequence 6, Appl |
| 19 | 189 | 19.5 | 164 4 | US-08-232-087A-9 Sequence 9, Appl |
| 20 | 187.5 | 19.4 | 253 2 | US-09-042-785A-4 Sequence 4, Appl |
| 21 | 187.5 | 19.4 | 605 4 | US-09-042-785A-23 Sequence 23, Appl |
| 22 | 187.5 | 19.4 | 655 3 | US-08-959-382-2 Sequence 2, Appl |
| 23 | 186 | 19.2 | 197 2 | US-08-505-606-1 Sequence 1, Appl |
| 24 | 172.5 | 17.8 | 207 3 | US-08-974-022-47 Sequence 47, Appl |
| 25 | 172.5 | 17.8 | 325 1 | US-08-292-549-2 Sequence 2, Appl |
| 26 | 172.5 | 17.8 | 325 4 | US-09-042-785A-9 Sequence 9, Appl |
| 27 | 172.5 | 17.8 | 325 5 | PCT-US91-02207-2 Sequence 2, Appl |

| | | | | |
|----|-------|------|-------|------------------------------------|
| 28 | 170 | 17.6 | 326 1 | US-08-292-549-4 Sequence 4, Appl |
| 29 | 170 | 17.6 | 326 5 | PCT-US91-02207-4 Sequence 4, Appl |
| 30 | 168 | 17.4 | 120 3 | US-08-974-022-42 Sequence 42, Appl |
| 31 | 157.5 | 16.3 | 277 2 | US-08-147-784-2 Sequence 2, Appl |
| 32 | 148 | 15.3 | 186 1 | US-08-089-458B-6 Sequence 6, Appl |
| 33 | 145.5 | 15.0 | 283 5 | PCT-US96-12374-2 Sequence 2, Appl |
| 34 | 138.5 | 14.3 | 625 3 | US-08-996-139-15 Sequence 15, Appl |
| 35 | 134 | 13.8 | 122 2 | US-08-232-087A-7 Sequence 7, Appl |
| 36 | 133 | 13.7 | 451 3 | US-08-996-139-4 Sequence 4, Appl |
| 37 | 133 | 13.7 | 616 3 | US-08-996-139-6 Sequence 6, Appl |
| 38 | 132 | 13.6 | 206 1 | US-08-097-827-7 Sequence 7, Appl |
| 39 | 132 | 13.6 | 206 1 | US-08-494-574-7 Sequence 11, Appl |
| 40 | 132 | 13.6 | 438 1 | US-08-097-827-11 Sequence 11, Appl |
| 41 | 132 | 13.6 | 438 1 | US-08-494-574-11 Sequence 11, Appl |
| 42 | 131.5 | 13.6 | 205 3 | US-08-974-022-51 Sequence 51, Appl |
| 43 | 129.5 | 13.4 | 139 2 | US-08-219-237B-8 Sequence 8, Appl |
| 44 | 129.5 | 13.4 | 591 3 | US-08-996-139-2 Sequence 2, Appl |
| 45 | 128 | 13.2 | 595 1 | US-08-225-989-2 Sequence 2, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OF SEQUENCES: TR4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 84.1%; Score 814; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 3.4e-67;
Matches 142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLICLVLPALPPAVAGVAETPTYPWRDAETGERLYCAACPGTFVQR 60
Db 1 MRALEGGSLICLVLPALPPAVAGVAETPTYPWRDAETGERLYCAACPGTFVQR 60
QY 61 PCRDSPPTGCPRRHYTGFWNLYERCRCNVLCGEREEERACHATHNRCRCRTGFF 120
Db 61 PCRDSPPTGCPRRHYTGFWNLYERCRCNVLCGEREEERACHATHNRCRCRTGFF 120
QY 121 AHAGECLEHASCPRGAGVIAG 142
Db 121 AHAGECLEHASCPRGAGVIAG 142

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavenland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 30.6%; Score 296; DB 3; Length 401;

Best Local Similarity 36.8%; Pred. No. 9.6e-20;
Matches 57; Conservative 22; Mismatches 62; Indels 14; Gaps 4;

QY 11 LCLVLALPALPPAVAGVAET--PTYPWRDAETGERLYCAACPGTFVQRCDSP 68
Db 4 LCLCAL---VFIDISIKWTQETFPFKLYHDETSHQLLCDKCPPTIYKQHTAKWT 60
QY 69 TCGPCPPRHITQFWNLYERCRCNVLCGEREEERACHATHNRCRCRTGFFAHAGC 128
Db 61 VCABCPDHYTDSMTSDECLYSPVCKELQYVKECNRTNHRVCECKEGRYLEIEFCK 120
QY 129 HASCPRGAGVIAGESWARGAPRSRG--RRCGRG 161
Db 121 HRSCPRGFGV-----QAGTPERNTVCKRCPDG 148

RESULT 3

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESSES:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragoras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
FAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-12

Query Match 30.6%; Score 296; DB 4; Length 401;

Best Local Similarity 36.8%; Pred. No. 9.6e-20;
Matches 57; Conservative 22; Mismatches 62; Indels 14; Gaps 4;

QY 11 LCLVLALPALPPAVAGVAET--PTYPWRDAETGERLYCAACPGTFVQRCDSP 68
Db 4 LCLCAL---VFIDISIKWTQETFPFKLYHDETSHQLLCDKCPPTIYKQHTAKWT 60
QY 69 TCGPCPPRHITQFWNLYERCRCNVLCGEREEERACHATHNRCRCRTGFFAHAGC 128
Db 61 VCABCPDHYTDSMTSDECLYSPVCKELQYVKECNRTNHRVCECKEGRYLEIEFCK 120
QY 129 HASCPRGAGVIAGESWARGAPRSRG--RRCGRG 161
Db 121 HRSCPRGFGV-----QAGTPERNTVCKRCPDG 148
RESULT 4
US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN

NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-4

Query Match 29.5%; Score 285.5; DB 3; Length 401;
Best Local Similarity 37.6%; Pred. No. 8.7e-19;
Matches 53; Conservative 22; Mismatches 55; Indels 11; Gaps 3;

OY 34 PTPMRDAETGRLVCAQCPPTGVORPCRRDSPITTCGPPCRHHTYTOFWNTLERGRYCNV 93
DB 26 PRTLYHDPETGQLCDKCAPGTLYLKHCTVRRKTLVCPCPHSTYDTSWHTSDECVYCS 85
OY 94 LCGEEREERACHATHNRACRCRTGFFAHAGFCLHASCPCPGAGYIAPGESWARGGAPRS 153
DB 86 VKELQSVKQECNRTNHRNRCCECEGRYLEIEFCLNHRSCPPSSGVY-----QAGTPR 138
OY 154 GG--RRCGRGVAG--PSLAP 170
DB 139 NTVCKKCPDGFSGTSSKAP 159

RESULT 5
US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandiagouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEL-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-13

Query Match 29.5%; Score 285.5; DB 4; Length 401;
Best Local Similarity 37.6%; Pred. No. 8.7e-19;
Matches 53; Conservative 22; Mismatches 55; Indels 11; Gaps 3;

OY 34 PTPMRDAETGRLVCAQCPPTGVORPCRRDSPITTCGPPCRHHTYTOFWNTLERGRYCNV 93
DB 26 PRTLYHDPETGQLCDKCAPGTLYLKHCTVRRKTLVCPCPHSTYDTSWHTSDECVYCS 85
OY 94 LCGEEREERACHATHNRACRCRTGFFAHAGFCLHASCPCPGAGYIAPGESWARGGAPRS 153
DB 86 VKELQSVKQECNRTNHRNRCCECEGRYLEIEFCLNHRSCPPSSGVY-----QAGTPR 138
OY 154 GG--RRCGRGVAG--PSLAP 170
DB 139 NTVCKKCPDGFSGTSSKAP 159

RESULT 6
US-08-974-022-2
Sequence 2, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids

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;      TYPE: amino acid
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
US-08-974-022-2

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| Query Match | 29.2% | Score 282.5 | DB 3 | Length 401 |
| Best Local Similarity | 38.3% | Pred. No. 1.6e+18 | | |
| Matches 54 | Conservative 20 | Mismatches 56 | Indels 11 | Gaps 3 |

QY 34 PTYYPMRAAETEEERLYVCAACCPGTATVQPPCRDSTPTTGCPREHYATOFMYNLEECRCFNV 93
Db 26 PKYHYHPDETGROLLCKCKAAGTYLKHCHVRRKRTLLVCPEDYSTYDTSWHTSDECVYCS 85
QY 94 ICGREDEBARCANTNHRACRGTGFPAHMGFCLEHAHSCPGVGVIAAGESMMAGAPRS 153
Db 86 VKELQYVKKQCCNTHNRVCECEGRITLEFCLKHRSCEPGLGLV-----QAGTPER 158
QY 154 GG--RRCGRGVAG--PSLA 170
Db 139 NTVCRRCPDGFEGFSETSSKA 159

```

RESULT 7
US-08-650-000-4
; Sequence 4: Application US/08650000
; Patent No. 5945397
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; APPLICANT: Beckmann, M. Patricia
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; City: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,000
; FILING DATE:
; CLASSIFICATION: 435.
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,453
; FILING DATE:
; APPLICATION NUMBER: US/08/038,765
; FILING DATE:
; APPLICATION NUMBER: US 403,241
; FILING DATE: 05-SEP-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 405,370
; FILING DATE: 11-SEP-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 421,417
; FILING DATE: 13-OCT-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 523,635
; FILING DATE: 10-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Wight, Christopher L.
; REGISTRATION NUMBER: 31,680
; REFERENCE/DOCKET NUMBER: 2501-D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 567-0430
; TELEFAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 4:

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; SEQUENCE CHARACTERISTICS:
;     LENGTH: 474 amino acids
;     TYPE: amino acid
;     TOPOLOGY: linear
;     MOLECULE TYPE: protein
;
US-08-650-000-4

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|-----------------------|------------------|--------------------|------------|-------------|
| Query Match | 21.0%; | Score 203; | DB 2; | Length 474; |
| Best Local Similarity | 31.8%; | Pred. No. 3,6e-11; | | |
| Matches 42; | Conservative 13; | Mismatches 55; | Indels 22; | Gaps 3 |

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QY      46  RLVAOCPPGFFVORPCRBDSPTGBCPRLHYTQFMNNYLERGRYCNVLGREGREERARAC 105
      ::::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      52  QMCACPCPPGVYVHFCNKITSIDYACADCEASMTYQVWNNQFRTICSSCSTTDDVETIRAC 111
      ::::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
QY      106  HATINRACRCRTGPF-----AHAGF---CLEHASCPCAGYIAPGESMARNGAPRSGRRC 158
      |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      112  TKQONRVCACAGRIKALTKHSSCRQOMRLSKCGPFGV-----ASSRA 156
      ::::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
QY      159  GRGOVAGPSLAP 170
      |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      157  PNGNVLCACAP 168
      ::::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

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RESULT      8
US-09-042-785A-8
: Sequence 8, Application US/09042785A
: Patent No. 6194151
:
: GENERAL INFORMATION:
: APPLICANT: Busfield, Samantha J
: TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
: TITLE OF INVENTION: AND USES THEREFOR
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: LAHIVE & COCKFIELD, LLP
: STREET: 28 State Street
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02109
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/042,785A
: FILING DATE: 17-MAR-1998
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/938,896
: FILING DATE: 26-SEP-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Mandragouras, Amy E
: REGISTRATION NUMBER: 36,207
: REFERENCE/DOCKET NUMBER: MEI-001CP
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617)227-7400
: TELEFAX: (617)442-4214
:
: INFORMATION FOR SEQ ID NO: 8
: SEQUENCE CHARACTERISTICS:
: LENGTH: 474 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
:
: MOLECULE TYPE: peptide
: FRAGMENT TYPE: Internal
:
: US-09-042-785A-8

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| | | | | | | | | | |
|-----------------------|-------|--------------|---------|------------|--------|--------|----|------|---|
| Query Match | 21.0% | Score | 203 | DB 4: | Length | 474 | | | |
| Best Local Similarity | 31.8% | Pred. No. | 3.6e-11 | | | | | | |
| Matches | 42 | Conservative | 13 | Mismatches | 35 | Indels | 22 | Gaps | 3 |

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:32 ; Search time 109.73 Seconds

(without alignments)
4.552 Million cell updates/sec

Title: US-09-518-931-2_COPY_239_264
Perfect score: 137
Sequence: 1 PEGMGPTPRRAGRAALQKLRRRLTEL 26

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/6C.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 137 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 53.5 | 39.1 | 774 | 2 | US-08-231-193A-42 |
| 3 | 53.5 | 39.1 | 774 | 2 | US-08-486-273A-42 |
| 4 | 53.5 | 39.1 | 774 | 3 | US-08-480-474-42 |
| 5 | 53.5 | 39.1 | 774 | 4 | US-08-940-086A-42 |
| 6 | 53.5 | 39.1 | 1214 | 2 | US-08-231-193A-54 |
| 7 | 53.5 | 39.1 | 1214 | 2 | US-08-486-273A-54 |
| 8 | 53.5 | 39.1 | 1214 | 2 | US-08-480-474-54 |
| 9 | 53.5 | 39.1 | 1214 | 4 | US-08-940-086A-54 |
| 10 | 53.5 | 39.1 | 1219 | 2 | US-08-231-193A-50 |
| 11 | 53.5 | 39.1 | 1219 | 2 | US-08-486-273A-50 |
| 12 | 53.5 | 39.1 | 1219 | 4 | US-08-480-474-50 |
| 13 | 53.5 | 39.1 | 1219 | 4 | US-08-940-086A-50 |
| 14 | 53.5 | 39.1 | 1231 | 2 | US-08-231-193A-48 |
| 15 | 53.5 | 39.1 | 1231 | 2 | US-08-486-273A-48 |
| 16 | 53.5 | 39.1 | 1231 | 3 | US-08-480-474-48 |
| 17 | 53.5 | 39.1 | 1231 | 4 | US-08-940-086A-48 |
| 18 | 53.5 | 39.1 | 1236 | 2 | US-08-231-193A-6 |
| 19 | 53.5 | 39.1 | 1236 | 2 | US-08-486-273A-6 |
| 20 | 53.5 | 39.1 | 1236 | 4 | US-08-480-474-6 |
| 21 | 53.5 | 39.1 | 1236 | 4 | US-08-940-086A-6 |
| 22 | 53.5 | 39.1 | 1239 | 2 | US-08-231-193A-52 |
| 23 | 53.5 | 39.1 | 1239 | 2 | US-08-486-273A-52 |
| 24 | 53.5 | 39.1 | 1239 | 4 | US-08-480-474-52 |
| 25 | 53.5 | 39.1 | 1239 | 4 | US-08-940-086A-52 |
| 26 | 53.5 | 39.1 | 1244 | 2 | US-08-231-193A-46 |
| 27 | 53.5 | 39.1 | 1244 | 2 | US-08-486-273A-46 |

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|----|------|------|------|---|-------------------|-------------------|
| 28 | 53.5 | 39.1 | 1244 | 3 | US-08-480-474-46 | Sequence 46, Appl |
| 29 | 53.5 | 39.1 | 1244 | 4 | US-08-940-086A-46 | Sequence 46, Appl |
| 30 | 50 | 36.5 | 797 | 1 | US-08-698-551-18 | Sequence 18, Appl |
| 31 | 50 | 36.5 | 797 | 2 | US-08-839-032A-18 | Sequence 18, Appl |
| 32 | 46 | 33.6 | 799 | 3 | US-08-909-954-4 | Sequence 4, Appl1 |
| 33 | 45.5 | 33.2 | 380 | 1 | US-08-416-478A-6 | Sequence 6, Appl1 |
| 34 | 45.5 | 33.2 | 380 | 2 | US-08-474-988B-6 | Sequence 6, Appl1 |
| 35 | 45.5 | 33.2 | 380 | 2 | US-08-394-442B-6 | Sequence 6, Appl1 |
| 36 | 45.5 | 33.2 | 470 | 1 | US-08-416-478A-7 | Sequence 7, Appl1 |
| 37 | 45.5 | 33.2 | 470 | 2 | US-08-474-988B-7 | Sequence 7, Appl1 |
| 38 | 45.5 | 33.2 | 470 | 2 | US-08-394-442B-7 | Sequence 7, Appl1 |
| 39 | 45.5 | 33.2 | 471 | 1 | US-08-416-478A-2 | Sequence 2, Appl1 |
| 40 | 45.5 | 33.2 | 471 | 2 | US-08-474-988B-2 | Sequence 2, Appl1 |
| 41 | 45.5 | 33.2 | 471 | 2 | US-08-394-442B-2 | Sequence 2, Appl1 |
| 42 | 45.5 | 33.2 | 476 | 2 | US-08-737-271-1 | Sequence 1, Appl1 |
| 43 | 45.5 | 33.2 | 476 | 4 | US-09-058-555-1 | Sequence 1, Appl1 |
| 44 | 45.5 | 33.2 | 498 | 1 | US-08-416-478A-9 | Sequence 9, Appl1 |
| 45 | 45.5 | 33.2 | 498 | 2 | US-08-474-988B-9 | Sequence 9, Appl1 |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OR INVENTION: TR4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%, Score 137, DB 2, Length 300;

Best Local Similarity 100.0%; Pred. No. 1.8e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEGGPTPRAGRALQKLRRLTEL 26
Db 239 PEGGPTPRAGRALQKLRRLTEL 264

RESULT 2
US-08-231-193A-42

; Sequence 42, Application US/08231193A

; Patent No. 5849895

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR

; TITLE OF INVENTION: SUBUNITS, NOCLEIC ACIDS ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/231,193A

; FILING DATE: 20-APR-1994

; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/052,459

; FILING DATE: 20-APR-1993

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 42:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 774 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-231-193A-42

Query Match 39.1%; Score 53.5; DB 2; Length 774;
Best Local Similarity 73.3%; Pred. No. 2.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 PEGGPTPRAGRAL 15
Db 692 PTCGMP-PDGGRAL 705

RESULT 3

US-08-486-273A-42

; Sequence 42, Application US/08486273A

; Patent No. 5985586

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTRO SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 63

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/486,273A

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/231,193

; FILING DATE: 20-APR-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9383B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 42:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 774 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; US-08-486-273A-42

Query Match 39.1%; Score 53.5; DB 2; Length 774;
Best Local Similarity 73.3%; Pred. No. 2.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 PEGGPTPRAGRAL 15
Db 692 PTCGMP-PDGGRAL 705

RESULT 4

US-08-480-474-42

; Sequence 42, Application US/08480474

; Patent No. 6033865

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING

; TITLE OF INVENTION: SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 54

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

RESULT 7

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1 COUNTRY: U.S.A.
2 ZIP: 92101-2926
3
4 COMPUTER READABLE FORM:
5 MEDIUM TYPE: Floppy disk
6 COMPUTER: IBM PC compatible
7 OPERATING SYSTEM: PC-DOS/MS-DOS
8 SOFTWARE: Patentln Release #1.0, Version #1.25
9
10 CURRENT APPLICATION DATA:
11 APPLICATION NUMBER: US/08/480,474
12 FILING DATE: 06-JUN-1995
13 CLASSIFICATION: 536
14
15 ATTORNEY/AGENT INFORMATION:
16 NAME: Seidman, Stephanie
17 REGISTRATION NUMBER: 33,779
18
19 TELECOMMUNICATION INFORMATION:
20 TELEPHONE: 619-238-0999
21 TELEFAX: 619-238-0062
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23 INFORMATION FOR SEQ ID NO: 54:
24 SEQUENCE CHARACTERISTICS:
25 LENGTH: 1214 amino acids
26 TYPE: amino acid
27 TOPOLOGY: linear
28
29 MOLECULE TYPE: protein
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31 US-08-480-474-54
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REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 1214 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-54

Query Match 39.1%; Score 53.5; DB 4; Length 1214;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

OY 1 PEGMGPTPRAGRAAL 15
DB 935 PTCWGP-PDGRAAL 948

RESULT 10
US-08-231-193A-50
Sequence 50, Application US/08231193A
Patent No. 5849895
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,193A
FILING DATE: 20-APR-1994
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,459
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 1219 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-231-193A-50

Query Match 39.1%; Score 53.5; DB 2; Length 1219;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

OY 1 PEGMGPTPRAGRAAL 15
DB 940 PTCWGP-PDGRAAL 953

RESULT 11
US-08-486-273A-50
Sequence 50, Application US/08486273A
Patent No. 5985586
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,273A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 1219 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-486-273A-50

Query Match 39.1%; Score 53.5; DB 2; Length 1219;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

OY 1 PEGMGPTPRAGRAAL 15
DB 940 PTCWGP-PDGRAAL 953

RESULT 12
US-08-480-474-50
Sequence 50, Application US/08480474
Patent No. 6033865
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING

MOLECULE TYPE: protein
US-08-231-193A-48

Query Match 39.1%; Score 53.5; DB 2; length 1231;
Best Local Similarity 73.3%; Pred. No. 4.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 PEGWGPTPRAGRAAL 15
1 1111 11111
DB 952 PTGWGP-PDGRAAL 965

RESULT 15
US-08-486-273A-48
Sequence 48, Application US/08486273A

Patent No. 5985586
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrle P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,273A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 1231 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-486-273A-48

Query Match 39.1%; Score 53.5; DB 2; length 1231;
Best Local Similarity 73.3%; Pred. No. 4.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 PEGWGPTPRAGRAAL 15
1 1111 11111
DB 952 PTGWGP-PDGRAAL 965

Search completed: May 23, 2001, 15:56:33
Job time: 166 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:33 ; Search time 109.73 seconds
(without alignments)
2.801 Million cell updates/sec

Title: US-09-518-931-2_COPY_283_298

Sequence: 1 ARMPGLSVRERFLP 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/2/1aa/5A_COMB.pep:*
- 2: /cgn2_6/prodata/2/1aa/5B_COMB.pep:*
- 3: /cgn2_6/prodata/2/1aa/6A_COMB.pep:*
- 4: /cgn2_6/prodata/2/1aa/6B_COMB.pep:*
- 5: /cgn2_6/prodata/2/1aa/PCUTUS_COMB.pep:*
- 6: /cgn2_6/prodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 81 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 39 | 48.1 | 350 | 1 | US-08-184-252A-2 |
| 3 | 39 | 48.1 | 350 | 2 | US-09-123-851-3 |
| 4 | 39 | 48.1 | 350 | 2 | US-08-728-520-3 |
| 5 | 39 | 48.1 | 350 | 5 | PCT-US95-00601-2 |
| 6 | 38 | 46.9 | 343 | 2 | US-09-123-851-1 |
| 7 | 38 | 46.9 | 343 | 2 | US-08-728-520-1 |
| 8 | 38 | 46.9 | 400 | 2 | US-08-733-825-2 |
| 9 | 37 | 45.7 | 369 | 2 | US-08-991-300-2 |
| 10 | 36.5 | 45.1 | 376 | 1 | US-08-303-238-1 |
| 11 | 36 | 44.4 | 16 | 4 | US-09-417-305-2 |
| 12 | 36 | 44.4 | 43 | 4 | US-09-417-305-1 |
| 13 | 36 | 44.4 | 224 | 1 | US-08-173-510B-87 |
| 14 | 36 | 44.4 | 224 | 1 | US-08-458-218-85 |
| 15 | 36 | 44.4 | 224 | 2 | US-08-450-497-87 |
| 16 | 36 | 44.4 | 274 | 1 | US-08-173-510B-83 |
| 17 | 36 | 44.4 | 274 | 1 | US-08-458-218-81 |
| 18 | 36 | 44.4 | 274 | 2 | US-08-450-497-83 |
| 19 | 36 | 44.4 | 284 | 3 | US-08-320-148B-2 |
| 20 | 36 | 44.4 | 284 | 3 | US-08-589-028-6 |
| 21 | 36 | 44.4 | 284 | 4 | US-08-784-582-6 |
| 22 | 36 | 44.4 | 284 | 4 | US-08-785-271-6 |
| 23 | 36 | 44.4 | 284 | 4 | US-09-031-898-2 |
| 24 | 35 | 43.2 | 15 | 2 | US-08-726-306A-60 |
| 25 | 35 | 43.2 | 45 | 1 | US-08-173-510B-15 |
| 26 | 35 | 43.2 | 45 | 1 | US-08-458-218-15 |
| 27 | 35 | 43.2 | 45 | 2 | US-08-450-497-15 |

| | | | | | | |
|----|----|------|------|---|------------------|-------------------|
| 28 | 35 | 43.2 | 382 | 3 | US-08-582-740-70 | Sequence 70, Appl |
| 29 | 35 | 43.2 | 401 | 4 | US-08-289-222E-3 | Sequence 3, Appl |
| 30 | 35 | 43.2 | 401 | 4 | US-09-054-526B-3 | Sequence 3, Appl |
| 31 | 35 | 43.2 | 406 | 3 | US-08-582-740-68 | Sequence 68, Appl |
| 32 | 35 | 43.2 | 501 | 2 | US-08-945-848-8 | Sequence 8, Appl |
| 33 | 35 | 43.2 | 501 | 2 | US-08-288-508C-2 | Sequence 2, Appl |
| 34 | 35 | 43.2 | 570 | 2 | US-08-967-364-1 | Sequence 1, Appl |
| 35 | 35 | 43.2 | 570 | 2 | US-08-967-364-7 | Sequence 7, Appl |
| 36 | 35 | 43.2 | 570 | 3 | US-09-368-408-1 | Sequence 1, Appl |
| 37 | 35 | 43.2 | 570 | 3 | US-09-368-408-7 | Sequence 7, Appl |
| 38 | 35 | 43.2 | 4544 | 1 | US-08-469-486-52 | Sequence 52, Appl |
| 39 | 35 | 43.2 | 4544 | 1 | US-08-469-658-52 | Sequence 52, Appl |
| 40 | 34 | 42.0 | 117 | 2 | US-08-249-013-6 | Sequence 6, Appl |
| 41 | 34 | 42.0 | 117 | 2 | US-08-886-863-6 | Sequence 6, Appl |
| 42 | 34 | 42.0 | 117 | 5 | PCT-US95-06764-6 | Sequence 6, Appl |
| 43 | 34 | 42.0 | 299 | 5 | PCT-US91-00899-6 | Sequence 6, Appl |
| 44 | 34 | 42.0 | 340 | 2 | US-08-974-546-5 | Sequence 5, Appl |
| 45 | 34 | 42.0 | 342 | 3 | US-08-785-928-1 | Sequence 1, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OF INVENTION: TR4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 81; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 1e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARMPGLERSVREFLP 16
|||||
DB 283 ARMPGLERSVREFLP 298

RESULT 2

US-08-184-252A-2
; Sequence 2, Application US/08184252A
; Patent No. 5573935
; GENERAL INFORMATION:
; APPLICANT: Beeler, John F.
; APPLICANT: Larocheville, William
; APPLICANT: Aaronson, Stuart A.
; TITLE OF INVENTION: PROTEIN TYROSINE KINASE A6
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/184,252A
; FILING DATE: 18-JAN-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelson, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH084,001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-184-252A-2

Query Match 48.1%; Score 39; DB 1; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPGLERSVREFL 15
||| 1:||||
DB 259 MPGYCSIRERML 271

RESULT 3

US-09-123-851-3
; Sequence 3, Application US/09123851
; Patent No. 5958405
; GENERAL INFORMATION:
; APPLICANT: Goll, Surya K.
; TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.

ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/123,851
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/728,520
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0136 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: Genbank
; CLONE: 451482

US-09-123-851-3

Query Match 48.1%; Score 39; DB 2; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPGLERSVREFL 15
||| 1:||||
DB 259 MPGYCSIRERML 271

RESULT 4

US-08-728-520-3
; Sequence 3, Application US/08728520
; Patent No. 5994112
; GENERAL INFORMATION:
; APPLICANT: Goll, Surya K.
; TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/728,520
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0136 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 451482
US-08-728-520-3

Query Match 48.1%; Score 39; DB 2; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPELRSVRERFL 15
||| |::||| |
Db 259 MPEYTCISIRERML 271

RESULT 5
PCT-US95-00601-2
Sequence 2, Application PC/TUS9500601
GENERAL INFORMATION:
APPLICANT: United States of America Department of Health and Human
APPLICANT: Services
TITLE OF INVENTION: PROTEIN TYROSINE KINASE A6
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: USA
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/00601
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Israelson, Ned A.
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH084.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 350 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-00601-2

Query Match 48.1%; Score 39; DB 5; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPELRSVRERFL 15
||| |::||| |
Db 259 MPEYTCISIRERML 271

RESULT 6

US-09-123-851-1
Sequence 1, Application US/09123851
Patent No. 5958405
GENERAL INFORMATION:
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/123,851
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/728,520
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0136 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-09-123-851-1

Query Match 46.9%; Score 38; DB 2; Length 343;
Best Local Similarity 53.8%; Pred. No. 36;
Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 MPELRSVRERFL 15
||| |::||| |
Db 259 MPEYTCISIRERML 271

RESULT 7
US-08-728-520-1
Sequence 1, Application US/08728520
Patent No. 5994112
GENERAL INFORMATION:
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,520
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0136 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0553
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-08-728-520-1

Query Match 46.9%; Score 38; DB 2; Length 343;
Best Local Similarity 53.8%; Pred. No. 36;
Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 MPEGLERSVEREFL 15
||| : ||| :
Db 259 MGYKCSIKERML 271

RESULT 8
US-08-733-825-2
Sequence 2, Application US/08733825
Patent No. 5837839
GENERAL INFORMATION:
APPLICANT: Toth, Matthew J.
TITLE OF INVENTION: Coding Sequences for Mevalonate
TITLE OF INVENTION: Pyrophosphate Decarboxylase
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 5837839art1s Patent and Trademark Department
STREET: 59 Route 10
CITY: East Hanover
STATE: New Jersey
COUNTRY: USA
ZIP: 07936-1080
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/733,825
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,652
FILING DATE: 18-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: No. 5837839ak, Henry P.
REGISTRATION NUMBER: 33200
REFERENCE/DOCKET NUMBER: 4-20615/P1/CGC 1834
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 277-5110
TELEFAX: (908) 277-4606
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 400 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-733-825-2

Query Match 46.9%; Score 38; DB 2; Length 400;
Best Local Similarity 50.0%; Pred. No. 43;
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 ARMPGLERSVEREFLP 16
||| : ||| :
Db 235 ARMAEMARCIRERDFP 250

RESULT 9
US-08-991-300-2
Sequence 2, Application US/08991300
Patent No. 5973225
GENERAL INFORMATION:
APPLICANT: D'AVIDIO, RENATO
APPLICANT: PORCEDDU, ENRICO
APPLICANT: MERCHITELLI, CINZIA
APPLICANT: CARDELLI, LUISA ERCOLI
TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF A GENE
TITLE OF INVENTION: ENCODING A LOW MOLECULAR WEIGHT GLUTENIN
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
ADDRESS: P.O.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/991,300
FILING DATE: 16-DEC-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT MI 96/A 002663
FILING DATE: 19-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 2264-0201-0X
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 369 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-991-300-2

Query Match 45.7%; Score 37; DB 2; Length 369;
Best Local Similarity 43.8%; Pred. No. 58;
Matches 7; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 ARMPGLERSVEREFLP 16
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Db 1 SHIPGLERSQOQPLP 16

RESULT 10
US-08-303-238-1
; Sequence 1, Application US/08303238
; Patent No. 5654270
; GENERAL INFORMATION:
; APPLICANT: RUOSLAHTI, ERKKI I.
; APPLICANT: LONGAKER, MICHAEL T.
; APPLICANT: WHITBY, DAVID J.
; APPLICANT: HARPER, JOHN R.
; APPLICANT: PIERSCHBACHER, MICHAEL D.
; APPLICANT: BORDER, WAYNE A.
; TITLE OF INVENTION: INHIBITORS OF CELL REGULATORY FACTORS
; TITLE OF INVENTION: AND METHODS FOR PREVENTING OR REDUCING SCARRING
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 LA JOLLA VILLAGE DRIVE, SUITE 700
; CITY: SAN DIEGO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/08/303,238
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/978,931
; FILING DATE: 17-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: KONSKI, ANTOINETTE F.
; REGISTRATION NUMBER: 34,202
; REFERENCE/DOCKET NUMBER: P-LA 9453
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-535-9001
; TELEFAX: 619-535-8949
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 376 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-303-238-1

Query Match 45.1%; Score 36.5; DB 1; Length 376;
Best Local Similarity 66.7%; Pred. No. 73;
Matches 10; Conservative 1; Mismatches 3; Indels 1; Gaps 1;

QY 2 RMPG-LEBSVRRFL 15
Db 169 RMPG-LEBSVRRFL 183

RESULT 11
US-09-417-305-2
; Sequence 2, Application US/09417305A
; Patent No. 6159723
; GENERAL INFORMATION:
; APPLICANT: MURAKAMI, Kazuo
; APPLICANT: NAKAMURA, Yukio
; APPLICANT: SUZUKI, Fumitaki
; APPLICANT: ISHIDA, Yuichi
; TITLE OF INVENTION: RENIN-ACTIVE SUBSTANCE
; FILE REFERENCE: 99_1140A
; CURRENT APPLICATION NUMBER: US/09/417,305A
; CURRENT FILING DATE: 1999-10-13

NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-417-305-2

Query Match 44.4%; Score 36; DB 4; Length 16;
Best Local Similarity 50.0%; Pred. No. 2.7;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 RMPG-LEBSVRR 13
Db 5 RMPG-LEBSVRR 16

RESULT 12
US-09-417-305-1
; Sequence 1, Application US/09417305A
; Patent No. 6159723
; GENERAL INFORMATION:
; APPLICANT: MURAKAMI, Kazuo
; APPLICANT: NAKAMURA, Yukio
; APPLICANT: SUZUKI, Fumitaki
; APPLICANT: ISHIDA, Yuichi
; TITLE OF INVENTION: RENIN-ACTIVE SUBSTANCE
; FILE REFERENCE: 99_1140A
; CURRENT APPLICATION NUMBER: US/09/417,305A
; CURRENT FILING DATE: 1999-10-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 1
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-417-305-1

Query Match 44.4%; Score 36; DB 4; Length 43;
Best Local Similarity 50.0%; Pred. No. 8;
Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 2 RMPG-LEBSVRR 13
Db 15 RMPG-LEBSVRR 26

RESULT 13
US-08-173-510B-87
; Sequence 87, Application US/08173510B
; Patent No. 5747296
; GENERAL INFORMATION:
; APPLICANT: MATTHEW MOYLE, ET AL.
; TITLE OF INVENTION: NOVEL NEUTROPHIL INHIBITORS
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 MB
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,510B
FILING DATE: 23-DEC-1993
PRIOR APPLICATION DATA: 08/151,064
APPLICATION NUMBER: 08/151,064
FILING DATE: 10-NOV-1993
APPLICATION NUMBER: 08/060,433
FILING DATE: 11-MAY-1993
APPLICATION NUMBER: 07/996,972
FILING DATE: 24-DEC-1992
APPLICATION NUMBER: 07/881,721
FILING DATE: 11-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 205/073
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
LENGTH: 224 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PEPTIDE
US-08-173-510B-87

Query Match 44.4%; Score 36; DB 1; Length 224;
Best Local Similarity 53.8%; Pred. No. 50;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
OY 3 MPGLRSVRERFL 15
||| | : ||
Db 27 MPGFNDISRLQFL 39

RESULT 14
US-08-458-218-85
Sequence 85, Application US/08458218
Patent No. 5789178
GENERAL INFORMATION:
APPLICANT: MATTHEW MOYLE ET AL.
TITLE OF INVENTION: NOVEL NEUTROPHIL INHIBITORS
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,218
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/151,064
FILING DATE: 10-NOVEMBER-1993
APPLICATION NUMBER: 08/060,433
FILING DATE: 11-MAY-1993
APPLICATION NUMBER: 07/881,721
FILING DATE: 11-MAY-1992

APPLICATION NUMBER: 07/996,972
FILING DATE: 24-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 203/226
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 85:
SEQUENCE CHARACTERISTICS:
LENGTH: 224 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PEPTIDE
US-08-458-218-85

Query Match 44.4%; Score 36; DB 1; Length 224;
Best Local Similarity 53.8%; Pred. No. 50;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
OY 3 MPGLRSVRERFL 15
||| | : ||
Db 27 MPGFNDISRLQFL 39

RESULT 15
US-08-450-497-87
Sequence 87, Application US/08450497
Patent No. 5919900
GENERAL INFORMATION:
APPLICANT: MATTHEW MOYLE, ET AL.
TITLE OF INVENTION: NOVEL NEUTROPHIL INHIBITORS
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,497
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/173,510
FILING DATE: 23-DEC-1993
APPLICATION NUMBER: 08/151,064
FILING DATE: 10-NOV-1993
APPLICATION NUMBER: 08/060,433
FILING DATE: 11-MAY-1993
APPLICATION NUMBER: 07/996,972
FILING DATE: 24-DEC-1992
APPLICATION NUMBER: 07/881,721
FILING DATE: 11-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 205/073
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 87:


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: SEQUENCE CHARACTERISTICS:
: LENGTH: 224 AMINO ACIDS
: TYPE: AMINO ACID
: TOPOLOGY: LINEAR
: MOLECULE TYPE: PEPTIDE
US-08-450-497-87
    
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Query Match      44.4%; Score 36; DB 2; Length 224;
Best Local Similarity 53.8%; Pred. No. 50;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPELRSYREREL 15
   ||| 1:1:1|
Db 27 MPEFNDISIRLQFL 39
    
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Search completed: May 23, 2001, 15:56:34
 Job time: 167 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:31 ; Search time 109.73 Seconds
(without alignments)
2.276 Million cell updates/sec

Title: US-09-518-931-2_COPY_205_217

Perfect score: 68

Sequence: 1 VPGECECERAVID 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
- 5: /cgn2_6/ptodata/2/1aa/PCtUS.COMB.pep.*
- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match Length | ID | Description |
|------------|-------|--------------------|--------|-------------------|
| 1 | 68 | 100.0 | 300 2 | US-08-794-796-2 |
| 2 | 45 | 66.2 | 437 1 | US-07-863-169A-3 |
| 3 | 45 | 66.2 | 437 2 | US-08-429-964-3 |
| 4 | 45 | 66.2 | 437 3 | US-07-935-087-3 |
| 5 | 45 | 66.2 | 437 5 | PCT-US93-08062-3 |
| 6 | 45 | 66.2 | 444 3 | US-07-935-087-7 |
| 7 | 37 | 54.4 | 329 4 | US-08-702-344-9 |
| 8 | 34 | 50.0 | 377 1 | US-08-836-075A-18 |
| 9 | 34 | 50.0 | 377 2 | US-08-227-108-17 |
| 10 | 34 | 50.0 | 377 1 | US-09-073-674-17 |
| 11 | 34 | 50.0 | 424 2 | US-08-871-268A-23 |
| 12 | 34 | 50.0 | 424 3 | US-08-871-26B-31 |
| 13 | 34 | 50.0 | 753 2 | US-08-867-941-20 |
| 14 | 34 | 50.0 | 753 4 | US-09-074-658-20 |
| 15 | 34 | 50.0 | 985 2 | US-08-867-941-13 |
| 16 | 34 | 50.0 | 985 2 | US-08-867-941-17 |
| 17 | 34 | 50.0 | 985 4 | US-09-074-658-13 |
| 18 | 34 | 50.0 | 985 4 | US-09-074-658-17 |
| 19 | 34 | 50.0 | 1000 2 | US-08-867-941-12 |
| 20 | 34 | 50.0 | 1000 2 | US-08-867-941-16 |
| 21 | 34 | 50.0 | 1000 4 | US-09-074-658-12 |
| 22 | 34 | 50.0 | 1000 4 | US-09-074-658-16 |
| 23 | 34 | 50.0 | 2432 4 | US-09-074-658-15 |
| 24 | 34 | 50.0 | 2439 4 | US-09-074-658-11 |
| 25 | 34 | 50.0 | 3224 2 | US-08-705-660-34 |
| 26 | 34 | 50.0 | 3224 3 | US-08-989-045-34 |
| 27 | 33 | 48.5 | 149 4 | US-08-836-075A-24 |

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|----|----|------|--------|-------------------|--------------------|
| 28 | 33 | 48.5 | 192 1 | US-08-086-428B-79 | Sequence 79, Appl |
| 29 | 33 | 48.5 | 192 2 | US-08-468-570-79 | Sequence 79, Appl |
| 30 | 33 | 48.5 | 192 2 | US-08-290-665A-79 | Sequence 79, Appl |
| 31 | 33 | 48.5 | 192 5 | PCT-US95-10398-79 | Sequence 79, Appl |
| 32 | 33 | 48.5 | 318 4 | US-08-836-075A-76 | Sequence 76, Appl |
| 33 | 33 | 48.5 | 590 1 | US-08-448-196A-9 | Sequence 9, Appl |
| 34 | 33 | 48.5 | 653 4 | US-08-849-602C-27 | Sequence 27, Appl |
| 35 | 33 | 48.5 | 653 3 | 524859-2 | Patent No. 524859 |
| 36 | 33 | 48.5 | 1311 1 | US-08-340-011-5 | Sequence 5, Appl1 |
| 37 | 33 | 48.5 | 1311 3 | US-08-901-710-5 | Sequence 5, Appl1 |
| 38 | 33 | 48.5 | 1338 3 | US-08-750-141A-3 | Sequence 3, Appl1 |
| 39 | 32 | 47.1 | 60 3 | US-08-476-705A-5 | Sequence 5, Appl1 |
| 40 | 32 | 47.1 | 60 6 | 5202417-1 | Patent No. 5202417 |
| 41 | 32 | 47.1 | 65 2 | US-08-162-081B-49 | Sequence 49, Appl |
| 42 | 32 | 47.1 | 65 2 | US-08-780-872-49 | Sequence 49, Appl |
| 43 | 32 | 47.1 | 66 3 | US-08-782-480-26 | Sequence 26, Appl |
| 44 | 32 | 47.1 | 84 6 | 5202417-2 | Patent No. 5202417 |
| 45 | 32 | 47.1 | 131 2 | US-08-162-081B-41 | Sequence 41, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800

GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2

Query Match 100.0%; Score 68; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VPGAECERAVD 13
|||||
Db 205 VPGAECERAVD 217

RESULT 2

US-07-863-169A-3
; Sequence 3, Application US/07863169A
; Patent No. 5420245
; GENERAL INFORMATION:
; APPLICANT: Brown, Michael S.
; APPLICANT: Goldstein, Joseph L.
; APPLICANT: Reiss, Yuval
; TITLE OF INVENTION: Tetrapeptide-Based Inhibitors of Farnesyl
; TITLE OF INVENTION: Transferase
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/863,169A
; FILING DATE: 03-APR-1992
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/822,011
; FILING DATE: 19-JAN-1992
; CLASSIFICATION: 530
; APPLICATION NUMBER: US 07/937,893
; FILING DATE: 18-APR-1991
; CLASSIFICATION: 530
; APPLICATION NUMBER: US 615,715
; FILING DATE: 20-NOV-1990
; CLASSIFICATION: 530
; APPLICATION NUMBER: US 510,706
; FILING DATE: 18-APR-1990
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTSD:297/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 437 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-07-863-169A-3

Query Match 66.2%; Score 45; DB 1; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 VPGAECERAV 11
||| ||| ||
Db 420 VPGAECERAV 430

RESULT 3
US-08-429-964-3
; Sequence 3, Application US/08429964
; Patent No. 5962243
; GENERAL INFORMATION:
; APPLICANT: Brown, Michael S.
; APPLICANT: Goldstein, Joseph L.
; APPLICANT: Reiss, Yuval
; APPLICANT: James, Guy L.
; TITLE OF INVENTION: METHODS FOR THE IDENTIFICATION OF FARNESYL
; TITLE OF INVENTION: TRANSFERASE INHIBITORS
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,964
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/021,625
; FILING DATE: 16-FEB-1993
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 07/822,011
; FILING DATE: 18-APR-1991
; CLASSIFICATION: 435
; APPLICATION NUMBER: PCT/US/91/02650
; FILING DATE: 18-APR-1991
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 07/615,715
; FILING DATE: 20-NOV-1990
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 07/510,706
; FILING DATE: 18-APR-1990 (ABANDONED)
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: PARKER, DAVID L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTSD:432/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 437 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-429-964-3

Query Match 66.2%; Score 45; DB 2; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 VPGAECERAV 11
||| ||| ||
Db 420 VPGAECERAV 430

RESULT 4
US-07-935-087-3

Sequence 3, Application US/07935087
Patent No. 6083917
GENERAL INFORMATION:
APPLICANT: BROWN, MICHAEL S.
APPLICANT: GOLDSTEIN, JOSEPH L.
APPLICANT: REISS, YUVAL
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
THE IDENTIFICATION, CHARACTERIZATION,
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TRANSFERASE
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TRANSFERASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1 (converted to ASCII-DOS)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/935,087
FILING DATE: 19920824
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/822,011
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSID:269/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-07-935-087-3

Query Match 66.2%; Score 45; DB 3; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 VPGAECERAV 11
||| ||||| ||
Db 420 VPGAECEDAV 430

RESULT 5
PCT-US93-08062-3
Sequence 3, Application PC/TUS9308062
GENERAL INFORMATION:
APPLICANT:
SEQUENCE CHARACTERISTICS: BROWN, MICHAEL S.
SEQUENCE CHARACTERISTICS: GOLDSTEIN, JOSEPH L.
SEQUENCE CHARACTERISTICS: REISS, YUVAL
SEQUENCE CHARACTERISTICS: MARSTERS, JR., JAMES C.
ADDRESS: METHODS AND COMPOSITIONS FOR
THE IDENTIFICATION, CHARACTERIZATION,
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TRANSFERASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1 (converted to ASCII-DOS)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 07/935,087
FILING DATE: 19920824
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/822,011
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSID:269/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-07-935-087-3

CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: UNITED STATES OF AMERICA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK/ASKII
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08062
FILING DATE: AUGUST 24, 1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/935,087
FILING DATE: 24 AUGUST 1992 (24.08.92)
NAME: UNKNOWN
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTPD377PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX: NOT APPLICABLE
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
PCT-US93-08062-3

Query Match 66.2%; Score 45; DB 5; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 VPGAECERAV 11
||| ||||| ||
Db 420 VPGAECEDAV 430

RESULT 6
US-07-935-087-7
Sequence 7, Application US/07935087
Patent No. 6083917
GENERAL INFORMATION:
APPLICANT: BROWN, MICHAEL S.
APPLICANT: GOLDSTEIN, JOSEPH L.
APPLICANT: REISS, YUVAL
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
THE IDENTIFICATION, CHARACTERIZATION,
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TRANSFERASE
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TRANSFERASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1 (converted to ASCII-DOS)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 07/935,087
FILING DATE: 19920824
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/822,011
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSID:269/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-07-935-087-3

APPLICATION NUMBER: US/07/935,087
FILING DATE: 19920824
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/822,011
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:269/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 444 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-07-935-087-7

Query Match 66.2%; Score 45; DB 3; Length 444;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 VPGAEECERAV 11
1111111111
DB 420 VPGFEECEDAV 430

RESULT 7
US-08-702-344-9
Sequence 9, Application US/08702344
Patent No. 5723315
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John
APPLICANT: Lavaille, Edward
APPLICANT: Racie, Lisa
APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
TITLE OF INVENTION: ENCODING THEM
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,344
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 229 amino acids
TYPE: amino acid

STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-702-344-9

Query Match 54.4%; Score 37; DB 1; Length 229;
Best Local Similarity 66.7%; Pred. No. 31;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

OY 4 AEECERAVI 12
1111111111
DB 6 AEECEQAVV 14

RESULT 8
US-08-836-075A-18
Sequence 18, Application US/08836075A
Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN

TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA: PCT/EP95/04155
APPLICATION NUMBER: 23 Oct 1995
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA: EP 94870166.9
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 319 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-836-075A-18

Query Match 50.0%; Score 34; DB 4; Length 319;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

OY 1 VPGAEECERA 10
1111111111
DB 223 VPGCVPCERS 232

RESULT 9

Query Match 50.0%; Score 34; DB 2; Length 424;
Best Local Similarity 75.0%; Pred. No. 2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 5 EECERAVI 12
|||||
Db 74 EECRAAVY 81

RESULT 12
US-08-871-267B-31
Sequence 31, Application US/08871267B
Patent No. 6100057
GENERAL INFORMATION:
APPLICANT: Elrod, Susan L.
APPLICANT: Cherry, Joel R.
TITLE OF INVENTION: A Method for Increasing Hemoprotein
TITLE OF INVENTION: Production in Filamentous Fungi
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 61000570 No. 61000570disk Of No. 6100057th America, Inc.
STREET: 405 Lexington Avenue - 64th Fl.
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10174
COMPUTER READABLE FORM:
MEDIUM TYPE: diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/871,267B
FILING DATE: 9-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Rozek, Carol E.
REGISTRATION NUMBER: 36,993
REFERENCE/DOCKET NUMBER: 4771.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-878-9652
TELEFAX: 212-878-9655
TELEX:
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 424 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6100057e
US-08-871-267B-31

Query Match 50.0%; Score 34; DB 3; Length 424;
Best Local Similarity 75.0%; Pred. No. 2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 5 EECERAVI 12
|||||
Db 74 EECRAAVY 81

RESULT 13
US-08-867-941-20
Sequence 20, Application US/08867941
Patent No. 5977337
GENERAL INFORMATION:
APPLICANT: Loosmore, Sheena M
APPLICANT: Du, Run-Pan
APPLICANT: Wang, Quijun

APPLICANT: Yang, Yan-Ping
APPLICANT: Klein, Michel H
TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
NUMBER OF SEQUENCES: 67
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sim & McBurney
STREET: 6th Floor, 330 University Avenue
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5G 1R7

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/867,941
FILING DATE: 03-JUN-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Stewart, Michael I
REGISTRATION NUMBER: 24,973
REFERENCE/DOCKET NUMBER: 1038-681 MIS:jb
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 595-1155
TELEFAX: (416) 595-1163
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 753 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-867-941-20

Query Match 50.0%; Score 34; DB 2; Length 753;
Best Local Similarity 77.8%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 4 AEECERAVI 12
|||||
Db 379 ANEECERAPI 387

RESULT 14
US-09-074-658-20
Sequence 20, Application US/09074658
Patent No. 6184371
GENERAL INFORMATION:
APPLICANT: Loosmore, Sheena M
APPLICANT: Run-Pan Du
APPLICANT: Quijun Wang
APPLICANT: Yang, Yan-Ping
APPLICANT: Klein, Michel H
TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
NUMBER OF SEQUENCES: 78
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sim & McBurney
STREET: 6th Floor, 330 University Avenue
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5G 1R7
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/074,658
FILING DATE: 08-MAY-1998
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
 NAME: Stewart, Michael I
 REGISTRATION NUMBER: 24,973
 REFERENCE/DOCKET NUMBER: 1038-795
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 595-1155
 TELEFAX: (416) 595-1163
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 753 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-074-658-20

Query Match 50.0%; Score 34; DB 4; Length 753;
 Best Local Similarity 77.8%; Pred. No. 3.6e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 AEECERAVI 12
 Db 379 ANECERAPI 387

RESULT 15
 US-08-867-941-13

Sequence 13, Application US/08867941
 Patent No. 5977337
 GENERAL INFORMATION:
 APPLICANT: Loosmore, Sheena M
 APPLICANT: Du, Run-Pan
 APPLICANT: Wang, Qiu-Jun
 APPLICANT: Yang, Yan-Ping
 APPLICANT: Klein, Michel H
 TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
 NUMBER OF SEQUENCES: 67
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sim & McBurney
 STREET: 6th Floor, 330 University Avenue
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5G 1R7
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/867,941
 FILING DATE: 03-JUN-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Stewart, Michael I
 REGISTRATION NUMBER: 24,973
 REFERENCE/DOCKET NUMBER: 1038-681 MIS-1b
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 595-1155
 TELEFAX: (416) 595-1163
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 985 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-867-941-13

Query Match 50.0%; Score 34; DB 2; Length 985;
 Best Local Similarity 77.8%; Pred. No. 4.8e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 AEECERAVI 12
 Db 611 ANECERAPI 619

Search completed: May 23, 2001, 15:56:32
 Job time: 165 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:31 ; Search time 109.73 Seconds
(without alignments)
1.751 Million cell updates/sec

Title: US-09-518-931-2_COPY_185_194

Perfect score: 55

Sequence: 1 GSSSHDRLCT 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA: *
1: /cgn2_6/ptodata/2/1aa/3A_COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/3B_COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/3A_COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/3B_COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/3C_COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/3D_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 55 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 36 | 65.5 | 162 | 2 | US-08-219-237B-7 |
| 3 | 36 | 65.5 | 277 | 4 | US-09-042-785A-10 |
| 4 | 36 | 65.5 | 1245 | 1 | US-08-158-232-8 |
| 5 | 36 | 65.5 | 1245 | 1 | US-08-304-626-8 |
| 6 | 36 | 65.5 | 1245 | 2 | US-08-611-928-8 |
| 7 | 36 | 65.5 | 1245 | 2 | US-08-611-928-8 |
| 8 | 35 | 63.6 | 283 | 5 | US-09-173-891-8 |
| 9 | 35 | 63.6 | 401 | 3 | US-08-974-022-6 |
| 10 | 35 | 63.6 | 401 | 4 | US-09-042-785A-12 |
| 11 | 35 | 63.6 | 1205 | 1 | US-07-808-245-2 |
| 12 | 35 | 63.6 | 1205 | 2 | US-08-319-866-10 |
| 13 | 35 | 63.6 | 1205 | 4 | US-09-123-708-6 |
| 14 | 35 | 63.6 | 1205 | 4 | US-09-123-708-6 |
| 15 | 34 | 61.8 | 401 | 3 | US-09-123-708-6 |
| 16 | 34 | 61.8 | 401 | 3 | US-09-123-708-6 |
| 17 | 34 | 61.8 | 401 | 3 | US-09-123-708-6 |
| 18 | 34 | 61.8 | 401 | 3 | US-09-123-708-6 |
| 19 | 34 | 61.8 | 401 | 3 | US-09-123-708-6 |
| 20 | 34 | 61.8 | 401 | 3 | US-09-123-708-6 |
| 21 | 33 | 60.0 | 227 | 3 | US-08-974-022-49 |
| 22 | 33 | 60.0 | 227 | 3 | US-08-974-022-49 |
| 23 | 33 | 60.0 | 241 | 4 | US-09-382-155-21 |
| 24 | 33 | 60.0 | 241 | 4 | US-09-382-155-21 |
| 25 | 33 | 60.0 | 289 | 4 | US-09-074-044A-21 |
| 26 | 33 | 60.0 | 461 | 4 | US-09-042-785A-11 |
| 27 | 33 | 60.0 | 1455 | 2 | US-08-726-012B-2 |
| 28 | 32 | 58.2 | 127 | 2 | US-08-162-146-3 |

| | | | | | | |
|----|----|------|-----|---|-------------------|--------------------|
| 28 | 32 | 58.2 | 348 | 4 | US-09-248-528-7 | Sequence 7, Appl1 |
| 29 | 32 | 58.2 | 401 | 6 | 5252556-1 | Patent No. 5252556 |
| 30 | 31 | 56.4 | 18 | 4 | US-08-847-844A-50 | Sequence 50, Appl1 |
| 31 | 31 | 56.4 | 39 | 1 | US-08-050-319B-41 | Sequence 41, Appl1 |
| 32 | 31 | 56.4 | 39 | 2 | US-08-465-982-41 | Sequence 41, Appl1 |
| 33 | 31 | 56.4 | 43 | 1 | US-08-050-319B-34 | Sequence 34, Appl1 |
| 34 | 31 | 56.4 | 43 | 2 | US-08-465-982-34 | Sequence 34, Appl1 |
| 35 | 31 | 56.4 | 103 | 3 | US-08-946-329A-72 | Sequence 72, Appl1 |
| 36 | 31 | 56.4 | 163 | 2 | US-08-219-237B-5 | Sequence 5, Appl1 |
| 37 | 31 | 56.4 | 164 | 2 | US-08-232-087A-9 | Sequence 9, Appl1 |
| 38 | 31 | 56.4 | 311 | 2 | US-08-602-359A-41 | Sequence 41, Appl1 |
| 39 | 31 | 56.4 | 461 | 1 | US-08-385-229-2 | Sequence 2, Appl1 |
| 40 | 31 | 56.4 | 461 | 2 | US-08-650-000-2 | Sequence 2, Appl1 |
| 41 | 31 | 56.4 | 461 | 6 | 5395760-2 | Patent No. 5395760 |
| 42 | 31 | 56.4 | 486 | 1 | US-08-243-010-1 | Sequence 1, Appl1 |
| 43 | 31 | 56.4 | 518 | 1 | US-08-385-229-4 | Sequence 4, Appl1 |
| 44 | 31 | 56.4 | 543 | 3 | US-09-199-229-2 | Sequence 2, Appl1 |
| 45 | 31 | 56.4 | 543 | 4 | US-09-443-087-2 | Sequence 2, Appl1 |

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 2
; TITLE OF INVENTION: TR4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
Query Match 100.0%; Score 55; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 0.013;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSSSHDTICT 10
1111111111
Db 185 GSSSHDTICT 194

RESULT 2

US-08-219-237B-7
Sequence 7, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-7

Query Match 65.5%; Score 36; DB 2; Length 162;
Best Local Similarity 60.0%; Pred. No. 16;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 GSSSHDTICT 10
1:1 11:11
Db 71 GTSSTDTICT 80

RESULT 3

US-09-042-785A-10
Sequence 10, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston

STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 277 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: internal

US-09-042-785A-10

Query Match 65.5%; Score 36; DB 4; Length 277;
Best Local Similarity 60.0%; Pred. No. 29;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 GSSSHDTICT 10
1:1 11:11
Db 95 GTSSTDTICT 104

RESULT 4

US-08-158-232-8
Sequence 8, Application US/08158232
Patent No. 5596071
GENERAL INFORMATION:
APPLICANT: Payne, Jewel
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Dick, Heidi Jane
APPLICANT: Foncerrada, Luis
APPLICANT: Schepf, H. Ernest
APPLICANT: Schwab, George E.
APPLICANT: Fu, Jenny
TITLE OF INVENTION: No. 5596071el Bacillus thuringiensis Toxins Active
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/158,232
FILING DATE:
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/887,980
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/797,645
FILING DATE: 25-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/703,977
FILING DATE: 22-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ104.C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
INDIVIDUAL ISOLATE: PS8603
IMMEDIATE SOURCE:
LIBRARY: LAMBDA GEM (tm) - 11 library
CLONE: 86Q3A
US-08-158-232-8

Query Match 65.5%; Score 36; DB 1; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 2 SSSHDPLCT 10
DB 773 SSSHDPLCT 781

RESULT 5
US-08-304-626-8
Sequence 8, Application US/08304626
Patent No. 5616495
GENERAL INFORMATION:
APPLICANT: Payne, Jewel M.
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Ulick, Heidi Jane
APPLICANT: Foncerrada, Luis
APPLICANT: Schnepf, Harry E.
APPLICANT: Schwab, George E.
TITLE OF INVENTION: No. 5616495el Bacillus thuringiensis Isolates
TITLE OF INVENTION: Active Against Hymenopteran Pests and Genes Encoding
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/304,626
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/887,980
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ 104
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
INDIVIDUAL ISOLATE: PS8603
IMMEDIATE SOURCE:
LIBRARY: LAMBDA GEM (tm) - 11 library
CLONE: 86Q3A
US-08-304-626-8

Query Match 65.5%; Score 36; DB 1; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 2 SSSHDPLCT 10
DB 773 SSSHDPLCT 781

RESULT 6
US-08-611-928-8
Sequence 8, Application US/08611928
Patent No. 5824792
GENERAL INFORMATION:
APPLICANT: Payne, Jewel
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Ulick, Heidi Jane
APPLICANT: Foncerrada, Luis
APPLICANT: Schnepf, H. Ernest
APPLICANT: Schwab, George E.
APPLICANT: Fu, Jenny
TITLE OF INVENTION: No. 5824792el Bacillus thuringiensis Toxins Active
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/611,928
FILING DATE: 06-MAR-1996
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/158,232
FILING DATE: 24-NOV-1993
APPLICATION NUMBER: US 07/887,980
FILING DATE: 22-MAY-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/797,645
FILING DATE: 25-NOV-1991
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/703,977
FILING DATE: 22-MAY-1991
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ104.C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
INDIVIDUAL ISOLATE: PS86Q3
IMMEDIATE SOURCE:
LIBRARY: LAMBDAGEM (tm) - 11 library
CLONE: 86Q3A
US-08-611-928-8

Query Match 65.5%; Score 36; DB 2; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 SSSHDTICT 10
DB 773 SSEHDTLAT 781

RESULT 7
US-09-173-891-8
Sequence 8, Application US/09173891
Patent No. 6077937
GENERAL INFORMATION:
APPLICANT: Payne, Jewel
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Dick, Heidi Jane
APPLICANT: Foncarrada, Luis
APPLICANT: Schnepf, H. Ernest
APPLICANT: Schwab, George E.
APPLICANT: Fu, Jenny
TITLE OF INVENTION: No. 6077937el Bacillus thuringiensis Toxins Active
TITLE OF INVENTION: Against Hymenopteran Pests
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/173,891
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/158,232
FILING DATE:
APPLICATION NUMBER: US 07/887,980
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/797,645
FILING DATE: 25-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/703,977
FILING DATE: 22-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ104.C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
INDIVIDUAL ISOLATE: PS86Q3
IMMEDIATE SOURCE:
LIBRARY: LAMBDAGEM (tm) - 11 library
CLONE: 86Q3A
US-09-173-891-8

Query Match 65.5%; Score 36; DB 3; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 SSSHDTICT 10
DB 773 SSEHDTLAT 781

RESULT 8
PCT-US96-12374-2
Sequence 2, Application PC/TUS9612374
GENERAL INFORMATION:
APPLICANT: Northwestern University
TITLE OF INVENTION: Herpes Virus Entry Mediator
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Milnamow & Katz, Ltd.
STREET: 180 N. Stetson, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/12374
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Northrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: NOR3446P020PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5400
TELEFAX: (312) 616-5460
TELEX: --
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12374-2

Query Match 63.6%; Score 35; DB 5; Length 283;
Best Local Similarity 66.7%; Pred. No. 44;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 9
1:1111
DB 154 GTESDPTLC 162

RESULT 9
US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6013938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehaven Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 63.6%; Score 35; DB 3; Length 401;
Best Local Similarity 40.0%; Pred. No. 63;

Matches 4; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 10
1:1111
DB 177 GNATHDNICS 186

RESULT 10
US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-12

Query Match 63.6%; Score 35; DB 4; Length 401;
Best Local Similarity 40.0%; Pred. No. 63;
Matches 4; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 10
1:1111
DB 177 GNATHDNICS 186

RESULT 11
US-07-908-245-2
Sequence 2, Application US/07908245
Patent No. 5498539
GENERAL INFORMATION:
APPLICANT: Harrison, David G.
APPLICANT: Alexander, R. Wayne
APPLICANT: Murphy, T.J.
APPLICANT: Nishida, Ken'ichi
TITLE OF INVENTION: Endothelial Nitric Oxide Synthase
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kilpatrick & Cody

STREET: 1100 Peachtree Street, Suite 2800
CITY: Atlanta
STATE: Georgia
COUNTRY: U.S.
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/908,245
FILING DATE: 19920702
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: EMU 111
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-815-6508
TELEFAX: 404-815-6555
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1205 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Bovine
TISSUE TYPE: Aorta
CELL TYPE: Endothelial
FEATURE:
NAME/KEY: Binding-site
LOCATION: 496..512
OTHER INFORMATION: /note= "CA++/CAM binding domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 651..678
OTHER INFORMATION: /note= "FMN binding domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 937..947
OTHER INFORMATION: /note= "FAD-Isolalloxanthine
OTHER INFORMATION: binding domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 1012..1030
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OTHER INFORMATION: domain"
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NAME/KEY: Binding-site
LOCATION: 1111..1124
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OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 46..47
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"

FEATURE:
NAME/KEY: Domain
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NAME/KEY: Domain
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FEATURE:
NAME/KEY: Domain
LOCATION: 459..460
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FEATURE:
NAME/KEY: Domain
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FEATURE:
NAME/KEY: Domain
LOCATION: 602..603
OTHER INFORMATION: /note= "Potential proline directed
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FEATURE:
NAME/KEY: Domain
LOCATION: 727..728
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 838..839
OTHER INFORMATION: /note= "Potential proline directed
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FEATURE:
NAME/KEY: Domain
LOCATION: 869..870
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 872..873
OTHER INFORMATION: /note= "Potential proline directed
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FEATURE:
NAME/KEY: Domain
LOCATION: 1085..1086
OTHER INFORMATION: /note= "Potential proline directed
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FEATURE:
NAME/KEY: Domain
LOCATION: 1202..1203
OTHER INFORMATION: /note= "Potential proline directed
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FEATURE:
NAME/KEY: Domain
LOCATION: 114..116

OTHER INFORMATION: /note= "cAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 141..143
OTHER INFORMATION: /note= "cAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 168..170
OTHER INFORMATION: /note= "cAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 633..635
OTHER INFORMATION: /note= "cAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 836..838
OTHER INFORMATION: /note= "cAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 1051..1053
OTHER INFORMATION: /note= "cAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 738..740
OTHER INFORMATION: /note= "cAMP dependent
OTHER INFORMATION: phosphorylation site"
US-07-908-245-2

Query Match 63.6%; Score 35; DB 1; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 9
DB 79 GSITVDTLC 87

RESULT 12
US-08-319-866-10
Sequence 10, Application US/08319866
Patent No. 5929223
GENERAL INFORMATION:
APPLICANT: Tully, Timothy P.
APPLICANT: Yin, Jerry C.
APPLICANT: Regulski, Michael
TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF GENES
TITLE OF INVENTION: ASSOCIATED WITH LONG-TERM MEMORY
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSER: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/319,866
FILING DATE: 7-OCT-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: CSHL94-03
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 1205 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-319-866-10

Query Match 63.6%; Score 35; DB 2; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 9
DB 79 GSITVDTLC 87

RESULT 13
US-09-123-708-6
Sequence 6, Application US/09123708
Patent No. 6146887
GENERAL INFORMATION:
APPLICANT: SCHRAEDER, Juergen
APPLICANT: GODECKE, Axel
TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN GENE THERAPEUTIC
TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
FILE REFERENCE: 511169-2003
CURRENT APPLICATION NUMBER: US/09/123,708
CURRENT FILING DATE: 1998-07-28
EARLIER APPLICATION NUMBER: 08/553,503
EARLIER FILING DATE: 1996-03-01
EARLIER APPLICATION NUMBER: P4411402.8
EARLIER FILING DATE: 1994-03-31
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 1205
TYPE: PRT
ORGANISM: Cytomegalovirus
US-09-123-708-6

Query Match 63.6%; Score 35; DB 4; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02; 1; Indels 0; Gaps 0;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 9
DB 79 GSITVDTLC 87

RESULT 14
US-09-123-624-6
Sequence 6, Application US/09123624
Patent No. 6149936
GENERAL INFORMATION:
APPLICANT: SCHRAEDER, Juergen
APPLICANT: GODECKE, Axel
TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN THE GENE THERAPEUTIC
TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
FILE REFERENCE: 511169-2004
CURRENT APPLICATION NUMBER: US/09/123,624
CURRENT FILING DATE: 1998-07-28

Search completed: May 23, 2001, 15:56:31
Job time: 164 sec

;; PRIOR APPLICATION NUMBER: 08/553,503
;; PRIOR FILING DATE: 1996-03-01
;; PRIOR APPLICATION NUMBER: 4411402.8
;; PRIOR FILING DATE: 1994-03-31
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO: 6
;; LENGTH: 1205
;; TYPE: PRT
;; ORGANISM: Bos taurus
US-09-123-624-6

Query Match 63.6%; Score 35; DB 4; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 9
|:|:|:|:|
Db 79 GSITDTLC 87

RESULT 15
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winder, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-2

Query Match 61.8%; Score 34; DB 3; Length 401;
Best Local Similarity 40.0%; Pred. No. 95;
Matches 4; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 10
|:|:|:|:|
Db 177 GNATHDNVCS 186

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:30 ; Search time 109.73 Seconds
(without alignments)
7.703 Million cell updates/sec

Title: US-09-518-931-2_COPY_132_175
Perfect score: 254
Sequence: 1 CPGAGVIAIGTPSQNTQCC.....GTFSSSSSSSQCPHNRCT 44

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues
Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued_Patents_AA:*
2: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|-------------------|
| 1 | 254 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 142 | 55.9 | 401 | 3 | US-08-974-022-2 |
| 3 | 142 | 55.9 | 401 | 3 | US-08-974-022-4 |
| 4 | 142 | 55.9 | 401 | 4 | US-08-974-022-6 |
| 5 | 140 | 55.1 | 401 | 3 | US-08-974-022-6 |
| 6 | 140 | 55.1 | 401 | 4 | US-08-974-022-6 |
| 7 | 136 | 53.5 | 163 | 2 | US-08-219-237B-5 |
| 8 | 136 | 53.5 | 163 | 2 | US-08-232-087A-9 |
| 9 | 136 | 53.5 | 227 | 3 | US-08-974-022-48 |
| 10 | 136 | 53.5 | 461 | 1 | US-08-385-229-2 |
| 11 | 136 | 53.5 | 461 | 2 | US-08-650-000-2 |
| 12 | 136 | 53.5 | 461 | 4 | US-08-650-000-2 |
| 13 | 136 | 53.5 | 461 | 6 | US-09-042-785A-7 |
| 14 | 136 | 53.5 | 486 | 1 | US-08-243-010-1 |
| 15 | 136 | 53.5 | 518 | 1 | US-08-385-229-4 |
| 16 | 126 | 49.6 | 474 | 2 | US-08-650-000-4 |
| 17 | 126 | 49.6 | 474 | 4 | US-09-042-785A-8 |
| 18 | 126 | 49.6 | 474 | 6 | US-09-042-785A-8 |
| 19 | 107 | 42.1 | 197 | 3 | US-08-974-022-49 |
| 20 | 107 | 42.1 | 289 | 4 | US-09-042-785A-11 |
| 21 | 105 | 41.3 | 451 | 3 | US-08-996-139-4 |
| 22 | 105 | 41.3 | 451 | 3 | US-08-996-139-2 |
| 23 | 105 | 41.3 | 616 | 3 | US-08-996-139-6 |
| 24 | 104 | 40.7 | 277 | 4 | US-09-042-785A-10 |
| 25 | 103.5 | 39.0 | 283 | 5 | PCT-US96-12374-2 |
| 26 | 99 | 39.0 | 573 | 4 | US-09-042-785A-2 |
| 27 | 97 | 38.2 | 162 | 2 | US-08-219-237B-7 |

| | | | | | | |
|----|------|------|-----|---|-------------------|-------------------|
| 28 | 97 | 38.2 | 625 | 3 | US-08-996-139-15 | Sequence 15, Appl |
| 29 | 94.5 | 37.2 | 197 | 2 | US-08-505-606-1 | Sequence 1, Appl |
| 30 | 93 | 36.6 | 253 | 4 | US-09-042-785A-4 | Sequence 4, Appl |
| 31 | 93 | 36.6 | 277 | 2 | US-08-147-784-2 | Sequence 2, Appl |
| 32 | 93 | 36.6 | 605 | 4 | US-09-042-785A-23 | Sequence 23, Appl |
| 33 | 93 | 36.6 | 655 | 3 | US-08-959-362-2 | Sequence 6, Appl |
| 34 | 90 | 35.4 | 228 | 4 | US-08-911-423-6 | Sequence 6, Appl |
| 35 | 90 | 35.4 | 241 | 4 | US-08-911-423-4 | Sequence 4, Appl |
| 36 | 90 | 35.4 | 311 | 4 | US-08-911-423-8 | Sequence 8, Appl |
| 37 | 89 | 35.0 | 139 | 2 | US-08-219-237B-8 | Sequence 8, Appl |
| 38 | 89 | 35.0 | 205 | 3 | US-08-974-022-51 | Sequence 51, Appl |
| 39 | 87.5 | 34.4 | 159 | 2 | US-08-219-237B-6 | Sequence 6, Appl |
| 40 | 87.5 | 34.4 | 224 | 3 | US-08-974-022-50 | Sequence 50, Appl |
| 41 | 87 | 34.3 | 186 | 1 | US-08-089-458B-6 | Sequence 6, Appl |
| 42 | 86.5 | 34.1 | 159 | 2 | US-08-232-087A-11 | Sequence 11, Appl |
| 43 | 86 | 33.9 | 206 | 1 | US-08-097-827-7 | Sequence 7, Appl |
| 44 | 86 | 33.9 | 206 | 1 | US-08-494-574-7 | Sequence 7, Appl |
| 45 | 86 | 33.9 | 438 | 1 | US-08-097-827-11 | Sequence 11, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800

GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Smithkline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2

Query Match 100.0%; Score 254; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 4.1e-19;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Caps 0;

OY 1 CPPGAGYIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 44
DB 132 CPPGAGYIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 175

RESULT 2

US-08-974-022-2
Sequence 2, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
City: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match 55.9%; Score 142; DB 3; Length 401;
Best Local Similarity 52.3%; Pred. No. 1.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Caps 0;

OY 1 CPPGAGYIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 44
DB 124 CPPGLVLAQGTPERTVCKKCPDGFSGSTSSKAPCRKHTNCS 167

RESULT 3

US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive

CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-4

Query Match 55.9%; Score 142; DB 3; Length 401;
Best Local Similarity 52.3%; Pred. No. 1.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Caps 0;

OY 1 CPPGAGYIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 44
DB 124 CPPGAGVLAQGTPERTVCKKCPDGFSGSTSSKAPCRKHTNCS 167

RESULT 4

US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-13

Query Match 55.9%; Score 142; DB 4; Length 401;
Best Local Similarity 52.3%; Pred. No. 1.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Gaps 0;

QY 1 CPGGAGVIAGTSPONTQCPGPGTFSSASSSSSEOCQPHRNT 44
DB 124 CPGGAGVIAGTSPONTQCPGPGTFSSASSSSSEOCQPHRNTCS 167

RESULT 5

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Mang-shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavenland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ. ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 55.1%; Score 140; DB 3; Length 401;
Best Local Similarity 52.3%; Pred. No. 2.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Gaps 0;

QY 1 CPGGAGVIAGTSPONTQCPGPGTFSSASSSSSEOCQPHRNT 44
DB 124 CPGGAGVIAGTSPONTQCPGPGTFSSASSSSSEOCQPHRNTCS 167

RESULT 6

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ. ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

Query Match 55.1%; Score 140; DB 4; Length 401;
Best Local Similarity 52.3%; Pred. No. 2.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Gaps 0;

QY 1 CPGGAGVIAGTSPONTQCPGPGTFSSASSSSSEOCQPHRNT 44
DB 124 CPGGAGVIAGTSPONTQCPGPGTFSSASSSSSEOCQPHRNTCS 167

RESULT 7

US-08-219-237B-5
Sequence 5, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994

CLASSIFICATION: 435
PRIOR APPLICATION DATA: US 07/872,129
APPLICATION NUMBER: 22-APR-1992
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-2378-5

Query Match 53.5%; Score 136; DB 2; Length 163;
Best Local Similarity 51.2%; Pred. No. 2.5e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

OY 1 CPPGAGVIAPTPSQNTCCPCPPTFSASSSSSECCPHRNC 43
Db 105 CRPGGVARPTETSDVYCKRCAPGTFSNTTSTDICRPHQIC 147

RESULT 8
US-08-232-087A-9
Sequence 9, Application US/08232087A
Patent No. 5866372
GENERAL INFORMATION:
APPLICANT: Stein, Harald
APPLICANT: D Ikop, Horst
APPLICANT: Latza, Ute
TITLE OF INVENTION: Lymphoid CD30-Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Birch, Stewart, Kolasch & Birch, LLP
STREET: 8110 Gatehouse Road, Suite 500 East
CITY: Falls Church
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22042
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,087A
FILING DATE: 08-SEP-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 756-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
TELEX: 248345
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 164 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: Protein
LOCATION: 1..164

OTHER INFORMATION: /note="TNFR2, see Fig. 5"
US-08-232-087A-9

Query Match 53.5%; Score 136; DB 2; Length 164;
Best Local Similarity 51.2%; Pred. No. 2.5e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

OY 1 CPPGAGVIAPTPSQNTCCPCPPTFSASSSSSECCPHRNC 43
Db 106 CRPGGVARPTETSDVYCKRCAPGTFSNTTSTDICRPHQIC 148

RESULT 9
US-08-974-022-48
Sequence 48, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Amgen Inc.
STREET: 1840 Denavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-48

Query Match 53.5%; Score 136; DB 3; Length 227;
Best Local Similarity 51.2%; Pred. No. 3.5e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

OY 1 CPPGAGVIAPTPSQNTCCPCPPTFSASSSSSECCPHRNC 43
Db 143 CRPGGVARPTETSDVYCKRCAPGTFSNTTSTDICRPHQIC 185

RESULT 10
US-08-385-229-2
Sequence 2, Application US/08385229
Patent No. 5605690
GENERAL INFORMATION:
APPLICANT: Jacobs, Cindy A.
APPLICANT: Smith, Craig A.
TITLE OF INVENTION: Method of Treating TNF-Dependent

;; TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
;;
;; NUMBER OF SEQUENCES: 5
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Immunex Corporation
;; STREET: 51 University Street
;; CITY: Seattle
;; STATE: Washington
;; COUNTRY: U.S.A.
;; ZIP: 98101
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/385,229
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US/07/946,236
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Wight, Christopher L.
;; REGISTRATION NUMBER: 31,680
;; REFERENCE/DOCKET NUMBER: 2503
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 587-0430
;; TELEFAX: (206) 587-0606
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 461 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;;
;; US-08-385-229-2

Query Match 53.5%; Score 136; DB 1; Length 461;
Best Local Similarity 51.2%; Pred. No. 7.3e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 CPGGAGVIAGTPTSONTCQPCPGTFTSASSSSSECCOPHRNC 43
DB 143 CRGFGVARGTETSDVCKPCAPGTFSTSTDCIRHQIC 185

RESULT 11
US-08-650-000-2
; Sequence 2, Application US/08650000
; Patent No. 5945397
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; APPLICANT: Beckmann, M. Patricia
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,000
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:

;; APPLICATION NUMBER: US/08/468,453
;; FILING DATE:
;; APPLICATION NUMBER: US/08/038,765
;; FILING DATE:
;; APPLICATION NUMBER: US 403,241
;; FILING DATE: 05-SEP-1989
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 405,370
;; FILING DATE: 11-SEP-1989
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 421,417
;; FILING DATE: 13-OCT-1989
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 523,635
;; FILING DATE: 10-MAY-1990
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Wight, Christopher L.
;; REGISTRATION NUMBER: 31,680
;; REFERENCE/DOCKET NUMBER: 2501-D
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 587-0430
;; TELEFAX: (206) 233-0644
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 461 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;;
;; US-08-650-000-2

Query Match 53.5%; Score 136; DB 2; Length 461;
Best Local Similarity 51.2%; Pred. No. 7.3e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 CPGGAGVIAGTPTSONTCQPCPGTFTSASSSSSECCOPHRNC 43
DB 143 CRGFGVARGTETSDVCKPCAPGTFSTSTDCIRHQIC 185

RESULT 12
US-09-042-785A-7
; Sequence 7, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragoras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400

```

; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 461 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: Internal
US-09-042-785A-7

Query Match          53.5%; Score 136; DB 4; Length 461;
Best Local Similarity 51.2%; Pred. NO. 7.3e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 CPPGAGVIAPTPSQNTQCPCPPGTFSASSSSSEOCOPHRNC 43
  |||||  |||  : 1:|||||:||||:||||: 1:|
Db 143 CRPGGVARPTETSDVCKKCAPGTFSNTTSSIDICRPHQIC 185

RESULT 13
5395760-2
; Patent No. 5395760
; APPLICANT: SMITH, CRAIG A.; GOODMAN, RAYMOND G.; BECKMANN,
; M. PATRICIA
; TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND
; B-RECEPTORS
; NUMBER OF SEQUENCES: 17
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/523,635
; FILING DATE: 10-MAY-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 421,417
; FILING DATE: 13-OCT-1989
; APPLICATION NUMBER: 405,370
; FILING DATE: 11-SEP-1989
; APPLICATION NUMBER: 403,241
; FILING DATE: 05-SEP-1989
; SEQ ID NO: 2
; LENGTH: 461
5395760-2

Query Match          53.5%; Score 136; DB 6; Length 461;
Best Local Similarity 51.2%; Pred. NO. 7.3e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 CPPGAGVIAPTPSQNTQCPCPPGTFSASSSSSEOCOPHRNC 43
  |||||  |||  : 1:|||||:||||:||||: 1:|
Db 143 CRPGGVARPTETSDVCKKCAPGTFSNTTSSIDICRPHQIC 185

RESULT 14
US-08-243-010-1
; Sequence 1, Application US/08243010
; Patent No. 5639597
; GENERAL INFORMATION:
; APPLICANT: Lauffer, Leander
; APPLICANT: Zettlmeissel, Gerd
; APPLICANT: Oquendo, Patricia
; TITLE OF INVENTION: Cell-free Receptor Binding Assays, The
; TITLE OF INVENTION: Production and Use thereof
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; DUNNETT
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/243,010
; FILING DATE: 13-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/798,564
; FILING DATE: 26-NOV-1991
; APPLICATION NUMBER: DE P 40 37 837.3
; FILING DATE: 28-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Elnaudi, Carol P.
; REGISTRATION NUMBER: 32,220
; REFERENCE/DOCKET NUMBER: 02481-1132-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-243-010-1

Query Match          53.5%; Score 136; DB 1; Length 486;
Best Local Similarity 51.2%; Pred. NO. 7.7e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 CPPGAGVIAPTPSQNTQCPCPPGTFSASSSSSEOCOPHRNC 43
  |||||  |||  : 1:|||||:||||:||||: 1:|
Db 143 CRPGGVARPTETSDVCKKCAPGTFSNTTSSIDICRPHQIC 185

RESULT 15
US-08-385-229-4
; Sequence 4, Application US/08385229
; Patent No. 5605690
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Cindy A.
; APPLICANT: Smith, Craig A.
; TITLE OF INVENTION: Method of Treating TNF-Dependent
; TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/385,229
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/946,236
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wight, Christopher L.
; REGISTRATION NUMBER: 31,680
; REFERENCE/DOCKET NUMBER: 2503
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 587-0606
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; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 518 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-385-229-4

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Query Match      53.5%; Score 136; DB 1; Length 518;
Best Local Similarity 51.2%; Pred. No. 8.2e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;
Oy 1 CPPGAGVIAAGTPSONTCOPCPPGTFSSASSSSSECCOPHRNC 43
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Db 172 CRPGGVARPGTETSDVYCKPCAPGTFSTNTSTDICRPHQIC 214

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Search completed: May 23, 2001, 15:56:31
 Job time: 164 sec

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GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:30 ; Search time 109.73 Seconds
(without alignments)
10,680 Million cell updates/sec

Title: US-09-518-931-2_COPY_57_117

Perfect score: 371
Sequence: 1 FVGRPCRRSRPTTCGRCPPR.....REERARACHATHNRACRRT 61

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_AA: *
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep: *
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep: *
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep: *
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep: *
5: /cgn2_6/ptodata/2/1aa/PCtUS.COMB.pep: *
6: /cgn2_6/ptodata/2/1aa/Backfile1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----|-------------------|
| 1 | 371 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 147 | 39.6 | 401 | 3 | US-08-974-022-6 |
| 3 | 147 | 39.6 | 401 | 4 | US-09-042-785A-12 |
| 4 | 138 | 37.2 | 401 | 3 | US-08-974-022-4 |
| 5 | 138 | 37.2 | 401 | 4 | US-09-042-785A-13 |
| 6 | 135 | 36.4 | 401 | 3 | US-08-974-022-2 |
| 7 | 130 | 35.0 | 163 | 2 | US-08-219-237B-5 |
| 8 | 128 | 34.5 | 120 | 3 | US-08-974-022-42 |
| 9 | 128 | 34.5 | 164 | 2 | US-08-232-087A-9 |
| 10 | 128 | 34.5 | 227 | 3 | US-08-974-022-48 |
| 11 | 128 | 34.5 | 461 | 1 | US-08-385-229-2 |
| 12 | 128 | 34.5 | 461 | 2 | US-08-650-000-2 |
| 13 | 128 | 34.5 | 461 | 2 | US-09-042-785A-7 |
| 14 | 128 | 34.5 | 461 | 6 | 5395760-2 |
| 15 | 128 | 34.5 | 486 | 1 | US-08-243-010-1 |
| 16 | 128 | 34.5 | 518 | 1 | US-08-385-229-4 |
| 17 | 126 | 34.0 | 474 | 2 | US-08-650-000-4 |
| 18 | 126 | 34.0 | 474 | 4 | US-09-042-785A-8 |
| 19 | 126 | 34.0 | 474 | 6 | 5395760-4 |
| 20 | 119 | 32.1 | 355 | 1 | US-08-292-549-6 |
| 21 | 106 | 28.6 | 325 | 3 | US-08-974-022-47 |
| 22 | 106 | 28.6 | 325 | 1 | US-08-292-549-2 |
| 23 | 106 | 28.6 | 325 | 4 | US-09-042-785A-9 |
| 24 | 106 | 28.6 | 325 | 5 | PCR-US91-02207-2 |
| 25 | 103.5 | 27.9 | 197 | 2 | US-08-505-606-1 |
| 26 | 97 | 26.1 | 326 | 1 | US-08-292-549-4 |
| 27 | 97 | 26.1 | 326 | 5 | PCR-US91-02207-4 |

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|----|------|------|-----|---|-------------------|-------------------|
| 28 | 96 | 25.9 | 277 | 2 | US-08-147-784-2 | Sequence 2, Appl |
| 29 | 91 | 24.5 | 42 | 1 | US-08-050-319B-32 | Sequence 32, Appl |
| 30 | 91 | 24.5 | 42 | 2 | US-08-465-962-32 | Sequence 32, Appl |
| 31 | 90.5 | 24.4 | 283 | 5 | PCT-US96-12374-2 | Sequence 2, Appl |
| 32 | 88 | 23.7 | 139 | 2 | US-08-219-237B-8 | Sequence 81, Appl |
| 33 | 88 | 23.7 | 205 | 3 | US-08-974-022-51 | Sequence 51, Appl |
| 34 | 87.5 | 23.6 | 440 | 3 | US-08-883-036A-2 | Sequence 2, Appl |
| 35 | 86.5 | 23.3 | 186 | 1 | US-08-089-458B-6 | Sequence 6, Appl |
| 36 | 86 | 23.2 | 253 | 4 | US-09-042-785A-4 | Sequence 4, Appl |
| 37 | 86 | 23.2 | 605 | 4 | US-09-042-785A-23 | Sequence 23, Appl |
| 38 | 86 | 23.2 | 655 | 3 | US-08-959-382-2 | Sequence 2, Appl |
| 39 | 85.5 | 23.0 | 327 | 4 | US-09-290-640-66 | Sequence 66, Appl |
| 40 | 83 | 22.4 | 206 | 1 | US-08-097-827-7 | Sequence 7, Appl |
| 41 | 83 | 22.4 | 206 | 1 | US-08-494-574-7 | Sequence 7, Appl |
| 42 | 83 | 22.4 | 438 | 1 | US-08-097-827-11 | Sequence 11, Appl |
| 43 | 83 | 22.4 | 438 | 1 | US-08-494-574-11 | Sequence 11, Appl |
| 44 | 79.5 | 21.4 | 119 | 2 | US-08-219-237B-3 | Sequence 3, Appl |
| 45 | 79.5 | 21.4 | 219 | 3 | US-08-974-022-45 | Sequence 45, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794.796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: CH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 371; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 2.1e-32;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 FVOPCRDPSPTTCGPPPHRYTGFNMVLECRVCNVLCGEREEARACHATHNRACRCR 60
|||||

Db 57 FVOPCRDPSPTTCGPPPHRYTGFNMVLECRVCNVLCGEREEARACHATHNRACRCR 116

OY 61 T 61
Db 117 T 117

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022

Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.

APPLICANT: Lacey, David L.

APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: OSTEOPROTEGERIN

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Amgen Inc.

STREET: 1840 Dehavenland Drive

CITY: Thousand Oaks

STATE: California

COUNTRY: USA

ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/974,022

FILING DATE: 12-DEC-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/577,788

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-378

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-974-022-6

Query Match 39.6%; Score 147; DB 3; Length 401;

Best Local Similarity 35.0%; Pred. No. 1.7e-08;

Matches 21; Conservative 13; Mismatches 26; Indels 0; Gaps 0;

OY 1 FVOPCRDPSPTTCGPPPHRYTGFNMVLECRVCNVLCGEREEARACHATHNRACRCR 60
|||||

Db 49 YLKHCTAKWKTYCACPDPHYTDSNHTSDCLCYSPVCKELQYVQECNRTNRYCECK 108

RESULT 3

US-09-042-785A-12

Sequence 12, Application US/09042785A

Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J

TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP

STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: Internal

US-09-042-785A-12

Query Match 39.6%; Score 147; DB 4; Length 401;

Best Local Similarity 35.0%; Pred. No. 1.7e-08;

Matches 21; Conservative 13; Mismatches 26; Indels 0; Gaps 0;

OY 1 FVOPCRDPSPTTCGPPPHRYTGFNMVLECRVCNVLCGEREEARACHATHNRACRCR 60
|||||

Db 49 YLKHCTAKWKTYCACPDPHYTDSNHTSDCLCYSPVCKELQYVQECNRTNRYCECK 108

RESULT 4

US-08-974-022-4

Sequence 4, Application US/08974022

Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.

APPLICANT: Lacey, David L.

APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: OSTEOPROTEGERIN

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Amgen Inc.

STREET: 1840 Dehavenland Drive

CITY: Thousand Oaks

STATE: California

COUNTRY: USA

ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/974,022

FILING DATE: 12-DEC-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/577,788

FILING DATE:

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ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-4

Query Match      37.2%; Score 138; DB 3; Length 401;
Best Local Similarity 35.6%; Pred. No. 1.5e-07;
Matches 21; Conservative 11; Mismatches 27; Indels 0; Gaps 0;

Oy 1 FVQRCRSDPTTCGPPRRHYTFWNYLERCRYCNVLGGEREEARACHATHNRACRC 59
Db 49 YLKQHCYVRKRTLCVPCPDHSTYDSMHTSDCEVCSPYCKELQSVKQECNRTNHNVCCEC 107

RESULT 5
US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESS: LAHIVE & COCKFIELD, LLP
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragours, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-13

Query Match      37.2%; Score 138; DB 4; Length 401;
Best Local Similarity 35.6%; Pred. No. 1.5e-07;
Matches 21; Conservative 11; Mismatches 27; Indels 0; Gaps 0;

Oy 1 FVQRCRSDPTTCGPPRRHYTFWNYLERCRYCNVLGGEREEARACHATHNRACRC 59
Db 49 YLKQHCYVRKRTLCVPCPDHSTYDSMHTSDCEVCSPYCKELQSVKQECNRTNHNVCCEC 107
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RESULT 6
US-08-974-022-2
Sequence 2, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESS: Amgen Inc.
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match      36.4%; Score 135; DB 3; Length 401;
Best Local Similarity 35.6%; Pred. No. 3.1e-07;
Matches 21; Conservative 11; Mismatches 27; Indels 0; Gaps 0;

Oy 1 FVQRCRSDPTTCGPPRRHYTFWNYLERCRYCNVLGGEREEARACHATHNRACRC 59
Db 49 YLKQHCYVRKRTLCVPCPDHSTYDSMHTSDCEVCSPYCKELQSVKQECNRTNHNVCCEC 107

RESULT 7
US-08-219-237B-5
Sequence 5, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESS: James W. Hellwege
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-5

Query Match 35.0%; Score 130; DB 2; Length 163;
Best Local Similarity 38.2%; Pred. No. 4.5e-07;
Matches 21; Conservative 6; Mismatches 28; Indels 0; Gaps 0;

QY 6 CRDSPPTGCPGPPRHYTOFWNLERCRCYCNVLCGGEERARACHATHNACRCR 60
DB 29 CRTSDTVDCSDCHSDSYTQLMNVPCLSGSCSDQVETQACTREONRRICTCR 83

RESULT 8
US-08-974-022-42
Sequence 42, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehaven Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 120 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-42

Query Match 34.5%; Score 128; DB 3; Length 120;
Best Local Similarity 38.2%; Pred. No. 5.4e-07;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRDSPPTGCPGPPRHYTOFWNLERCRCYCNVLCGGEERARACHATHNACRCR 60
DB 47 CRTSDTVDCSDCHSDSYTQLMNVPCLSGSCSDQVETQACTREONRRICTCR 101

RESULT 9
US-08-232-087A-9
Sequence 9, Application US/08232087A
Patent No. 5866372
GENERAL INFORMATION:
APPLICANT: Stein, Harold
APPLICANT: D'Kop, Horst
APPLICANT: Latza, Ute
TITLE OF INVENTION: Lymphoid CD30-Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolasch & Birch, LLP
STREET: 810 Gatehouse Road, Suite 500 East
CITY: Falls Church
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22042

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,087A
FILING DATE: 08-SEP-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 756-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
TELEX: 248345

INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 164 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
FRAGMENT TYPE: internal
FEATURE:

NAME/KEY: Protein
LOCATION: 1..164
OTHER INFORMATION: /note="TNFR2, see Fig. 5"
US-08-232-087A-9

Query Match 34.5%; Score 128; DB 2; Length 164;
Best Local Similarity 38.2%; Pred. No. 7.3e-07;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRDSPPTGCPGPPRHYTOFWNLERCRCYCNVLCGGEERARACHATHNACRCR 60
DB 30 CRTSDTVDCSDCHSDSYTQLMNVPCLSGSCSDQVETQACTREONRRICTCR 84

RESULT 10
US-08-974-022-48
Sequence 48, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavenland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-48

Query Match 34.5%; Score 128; DB 3; Length 227;
Best Local Similarity 38.2%; Pred. No. 1e-06;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRRDPTTGCPGPRHYTQFMWYLERCRVCNVLCGEREEARACHTHRACRCR 60
DB 67 CRTSDTVCDSCEDSTYTQLMNWPCLSGSRCSDDVETQACTREONRICTCR 121

RESULT 11
US-08-385-229-2
Sequence 2, Application US/08385229
Patent No. 5605690
GENERAL INFORMATION:
APPLICANT: Jacobs, Cindy A.
APPLICANT: Smith, Craig A.
TITLE OF INVENTION: Method of Treating TNF-Dependent
TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,229
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/946,236
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2503
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 587-0606
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-385-229-2

Query Match 34.5%; Score 128; DB 1; Length 461;
Best Local Similarity 38.2%; Pred. No. 2e-06;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRRDPTTGCPGPRHYTQFMWYLERCRVCNVLCGEREEARACHTHRACRCR 60
DB 67 CRTSDTVCDSCEDSTYTQLMNWPCLSGSRCSDDVETQACTREONRICTCR 121

RESULT 12
US-08-650-000-2
Sequence 2, Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodman, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,000
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/468,453
FILING DATE:
APPLICATION NUMBER: US/08/038,765
FILING DATE:
APPLICATION NUMBER: US 403,241
FILING DATE: 05-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 405,370
FILING DATE:
APPLICATION NUMBER: US 421,417
FILING DATE: 11-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 421,417
FILING DATE: 13-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 523,635
FILING DATE: 10-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.


```

; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-243-010-1

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|-----------------------|-------|--------------|-------|------------|-----|
| Query Match | 34.5% | Score 128 | DB 1 | Length | 486 |
| Best Local Similarity | 38.2% | Pred | No. 2 | le-06 | |
| Matches | 21 | Conservative | 5 | Mismatches | 29 |
| | | | | Indels | 0 |
| | | | | Gaps | 0 |

Qy 6 CRDSPPTTCGPPRHYYTOFWYILERCRCYNVLGGEEREARACHATHNACRCR 60
| : | | | | | | | : | : | : | | | |
Db 67 CTKTSDPVCDSCEBSTDYTLQIMNMYPECLSCGSRCSDDQVETQACTREQNRICTCR 120

Search completed: May 23, 2001, 15:56:30
Job time: 163 sec

This Page Blank (uspto)

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:29 ; Search time 109.73 Seconds
(without alignments)
2.801 Million cell updates/sec

Title: US-09-518-931-2_COPY_31_46

Perfect score: 92

Sequence: 1 AETPTYPWRDAETGER 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Issued Patents_AA: *
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/6C.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB | ID | Description |
|------------|-------|-------------|--------|----|------------------|-------------------|
| 1 | 92 | 100.0 | 300 | 2 | US-08-794-796-2 | Sequence 2, Appl |
| 2 | 47 | 51.1 | 775 | 2 | US-08-966-388-4 | Sequence 4, Appl |
| 3 | 47 | 51.1 | 775 | 3 | US-09-188-403-4 | Sequence 4, Appl |
| 4 | 47 | 51.1 | 775 | 4 | US-09-188-404-4 | Sequence 4, Appl |
| 5 | 47 | 51.1 | 775 | 4 | US-09-281-259-4 | Sequence 4, Appl |
| 6 | 45 | 48.9 | 7257 | 4 | US-09-335-409-5 | Sequence 5, Appl |
| 7 | 43.5 | 47.3 | 1421 | 4 | US-09-335-409-2 | Sequence 2, Appl |
| 8 | 41 | 44.6 | 797 | 2 | US-08-663-566A-2 | Sequence 2, Appl |
| 9 | 41 | 44.6 | 797 | 2 | US-08-023-610-2 | Sequence 2, Appl |
| 10 | 41 | 44.6 | 797 | 2 | US-08-288-065A-2 | Sequence 2, Appl |
| 11 | 41 | 44.6 | 797 | 2 | US-08-362-240A-2 | Sequence 2, Appl |
| 12 | 41 | 44.6 | 797 | 5 | PCR-US95-10245-2 | Sequence 2, Appl |
| 13 | 40 | 43.5 | 268 | 1 | US-08-440-103-29 | Sequence 29, Appl |
| 14 | 40 | 43.5 | 268 | 1 | US-08-440-103-30 | Sequence 30, Appl |
| 15 | 40 | 43.5 | 268 | 1 | US-08-440-542-29 | Sequence 29, Appl |
| 16 | 40 | 43.5 | 268 | 1 | US-08-440-542-30 | Sequence 30, Appl |
| 17 | 40 | 43.5 | 268 | 1 | US-08-231-368-29 | Sequence 29, Appl |
| 18 | 40 | 43.5 | 268 | 1 | US-08-231-368-30 | Sequence 30, Appl |
| 19 | 40 | 43.5 | 268 | 1 | US-08-440-210-29 | Sequence 29, Appl |
| 20 | 40 | 43.5 | 268 | 1 | US-08-440-210-30 | Sequence 30, Appl |
| 21 | 40 | 43.5 | 269 | 1 | US-08-440-103-16 | Sequence 16, Appl |
| 22 | 40 | 43.5 | 269 | 1 | US-08-440-542-16 | Sequence 16, Appl |
| 23 | 40 | 43.5 | 269 | 1 | US-08-231-368-16 | Sequence 16, Appl |
| 24 | 40 | 43.5 | 269 | 1 | US-08-440-210-16 | Sequence 16, Appl |
| 25 | 40 | 43.5 | 402 | 1 | US-08-460-806-2 | Sequence 2, Appl |
| 26 | 40 | 43.5 | 402 | 1 | US-08-325-630-2 | Sequence 2, Appl |
| 27 | 39 | 42.4 | 922 | 4 | US-09-141-206-6 | Sequence 6, Appl |

| | | | | | | |
|----|----|------|------|---|--------------------|-------------------|
| 28 | 39 | 42.4 | 932 | 3 | US-08-968-752B-6 | Sequence 6, Appl |
| 29 | 39 | 42.4 | 933 | 4 | US-09-141-206-2 | Sequence 2, Appl |
| 30 | 39 | 42.4 | 1003 | 3 | US-08-851-843A-217 | Sequence 217, App |
| 31 | 39 | 42.4 | 1003 | 4 | US-08-974-548A-336 | Sequence 336, App |
| 32 | 39 | 42.4 | 1156 | 4 | US-08-996-083-1 | Sequence 1, Appl |
| 33 | 38 | 41.3 | 242 | 1 | US-08-289-699A-6 | Sequence 6, Appl |
| 34 | 38 | 41.3 | 242 | 2 | US-08-878-283-6 | Sequence 6, Appl |
| 35 | 38 | 41.3 | 244 | 1 | US-08-289-699A-3 | Sequence 3, Appl |
| 36 | 38 | 41.3 | 244 | 2 | US-08-878-283-3 | Sequence 3, Appl |
| 37 | 38 | 41.3 | 1832 | 4 | US-09-335-409-4 | Sequence 4, Appl |
| 38 | 38 | 41.3 | 2439 | 4 | US-09-335-409-7 | Sequence 7, Appl |
| 39 | 38 | 41.3 | 3798 | 4 | US-09-335-409-6 | Sequence 6, Appl |
| 40 | 37 | 40.2 | 402 | 1 | US-08-460-806-9 | Sequence 9, Appl |
| 41 | 37 | 40.2 | 402 | 1 | US-08-460-806-11 | Sequence 11, Appl |
| 42 | 37 | 40.2 | 402 | 1 | US-08-325-630-9 | Sequence 9, Appl |
| 43 | 37 | 40.2 | 402 | 1 | US-08-325-630-11 | Sequence 11, Appl |
| 44 | 37 | 40.2 | 480 | 1 | US-08-440-103-18 | Sequence 18, Appl |
| 45 | 37 | 40.2 | 480 | 1 | US-08-440-542-18 | Sequence 18, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF INVENTION: TR4
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
Query Match 100.0%, Score 92; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 2.3e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AEPPTYPMRDATGE 16
| | | | | | | | | | | | | | | |
Db 31 AEPPTYPMRDATGE 46

RESULT 2

US-08-966-388-4

; Sequence 4, Application US/08966388

; Patent No. 5965412

; GENERAL INFORMATION:

; APPLICANT: TOMOYUKI NISHIMOTO

; APPLICANT: Michio KUBOTA

; APPLICANT: Hiroto CHAEN

; APPLICANT: Toshio MIYAKE

; TITLE OF INVENTION: KOJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: BROWDY AND NEIMARK

; STREET: 419 Seventh Street, N.W., Suite 300

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/966,388

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 311,235/1996

; FILING DATE: 8-NOV-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 61,710/97

; FILING DATE: 3-MAR-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: BROWDY, Roger L.

; REGISTRATION NUMBER: 25,618

; REFERENCE/DOCKET NUMBER:

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-628-5197

; TELEFAX: 202-737-3528

; TELEX: 248633

; INFORMATION FOR SEQ. ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 775 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; US-08-966-388-4

Query Match 51.1%; Score 47; DB 2; Length 775;
Best Local Similarity 70.0%; Pred. No. 9.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 YPMRDATGE 15
| | | | | | | | | | | | | | | |
Db 407 YPMESADTGE 416

RESULT 3

US-09-188-403-4

; Sequence 4, Application US/09188403

; Patent No. 6066477

; GENERAL INFORMATION:

; APPLICANT: TOMOYUKI NISHIMOTO

APPLICANT: Michio KUBOTA
APPLICANT: Hiroto CHAEN
APPLICANT: Toshio MIYAKE
TITLE OF INVENTION: KOJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESSES:

; ADDRESSEE: BROWDY AND NEIMARK

; STREET: 419 Seventh Street, N.W., Suite 300

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/188,403

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/966,388

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 61,710/97

; FILING DATE: 3-MAR-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: BROWDY, Roger L.

; REGISTRATION NUMBER: 25,618

; REFERENCE/DOCKET NUMBER:

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-628-5197

; TELEFAX: 202-737-3528

; TELEX: 248633

; INFORMATION FOR SEQ. ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 775 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; US-09-188-403-4

Query Match 51.1%; Score 47; DB 3; Length 775;
Best Local Similarity 70.0%; Pred. No. 9.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 YPMRDATGE 15
| | | | | | | | | | | | | | | |
Db 407 YPMESADTGE 416

RESULT 4

US-09-188-404-4

; Sequence 4, Application US/09188404

; Patent No. 6140487

; GENERAL INFORMATION:

; APPLICANT: TOMOYUKI NISHIMOTO

; APPLICANT: Michio KUBOTA

; APPLICANT: Hiroto CHAEN

; APPLICANT: Toshio MIYAKE

; TITLE OF INVENTION: KOJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: BROWDY AND NEIMARK

; STREET: 419 Seventh Street, N.W., Suite 300

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/198,404
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/966,388
FILING DATE:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 61,710/97
FILING DATE: 3-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 775 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-188-404-4

Query Match
Best Local Similarity 51.1%; Score 47; DB 4; Length 775;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 YPWRDAETGE 15
||| |
DB 407 YPESADTGE 416

RESULT 5
US-09-281-259-4
Sequence 4, Application US/09281259
Patent No. 6204377
GENERAL INFORMATION:
APPLICANT: TOMOYUKI NISHIMOTO
APPLICANT: MICHIO KOBOTA
APPLICANT: HIROTO CHAEN
APPLICANT: TOSHIO MIYAKE
TITLE OF INVENTION: KOUJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NETMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/281,259
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/966,388
FILING DATE:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 61,710/97
FILING DATE: 3-MAR-1997
ATTORNEY/AGENT INFORMATION:

NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 775 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-281-259-4

Query Match
Best Local Similarity 51.1%; Score 47; DB 4; Length 775;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 YPWRDAETGE 15
||| |
DB 407 YPESADTGE 416

RESULT 6
US-09-335-409-5
Sequence 5, Application US/09335409
Patent No. 6121029
GENERAL INFORMATION:
APPLICANT: Schupp, Thomas
APPLICANT: Ligon, James
APPLICANT: Molnar, Istvan
APPLICANT: Zirkle, Ross
APPLICANT: Cyr, Devonn
APPLICANT: Goerlach, Joern
TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPOTHILONES
FILE REFERENCE: 4-30582A
CURRENT APPLICATION NUMBER: US/09/335,409
CURRENT FILING DATE: 1999-06-17
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 5
LENGTH: 7257
TYPE: PRT
ORGANISM: Sorangium cellulosum
US-09-335-409-5

Query Match
Best Local Similarity 48.9%; Score 45; DB 4; Length 7257;
Matches 9; Conservative 1; Mismatches 1; Indels 6; Gaps 1;

QY 4 PTPWNR-----DAETG 14
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DB 5968 PTPWQRRYWDAPTG 5984

RESULT 7
US-09-335-409-2
Sequence 2, Application US/09335409
Patent No. 6121029
GENERAL INFORMATION:
APPLICANT: Schupp, Thomas
APPLICANT: Ligon, James
APPLICANT: Molnar, Istvan
APPLICANT: Zirkle, Ross
APPLICANT: Cyr, Devonn
APPLICANT: Goerlach, Joern
TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPOTHILONES
FILE REFERENCE: 4-30582A
CURRENT APPLICATION NUMBER: US/09/335,409
CURRENT FILING DATE: 1999-06-17

NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 1421
TYPE: PRP
ORGANISM: Sorangium cellulosum
US-09-335-409-2

Query Match 47.3%; Score 43.5; DB 4; Length 1421;
Best Local Similarity 37.5%; Pred. No. 65;
Matches 9; Conservative 2; Mismatches 2; Indels 11; Gaps 1;

OY 4 PTYPR-----DAETGER 16
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Db 878 PTYPRERYWIDTKADDAANGDR 901

RESULT 8
US-08-663-566A-2
Sequence 2, Application US/08663566A
Patent No. 5853733
GENERAL INFORMATION:
APPLICANT: Cochran, Mark D
APPLICANT: Macdonald, Richard D
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys
TITLE OF INVENTION: and Uses Thereof
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/663,566A
FILING DATE: June 13, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-663-566A-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPWRDAETGER 16
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Db 26 ASIPETPWRSTLSGÖR 41

RESULT 9
US-08-023-610-2
Sequence 2, Application US/08023610
Patent No. 5928648

GENERAL INFORMATION:
APPLICANT: Cochran Ph.D, Mark D
APPLICANT: Macdonald Ph.D., Richard D
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys
TITLE OF INVENTION: and Uses Thereof
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/023,610
FILING DATE: February 26, 1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White Esq, John P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)977-9550
TELEFAX: (212)664-0525
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-023-610-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPWRDAETGER 16
| | | | | : | : | : |
Db 26 ASIPETPWRSTLSGÖR 41

RESULT 10
US-08-288-065A-2
Sequence 2, Application US/08288065A
Patent No. 5961982
GENERAL INFORMATION:
APPLICANT: Cochran, Mark D
APPLICANT: Macdonald, Richard D
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys S-
TITLE OF INVENTION: HVT-050 and Uses Thereof
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/288,065A
FILING DATE: Aug-09-94
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: White, John P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-288-065A-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPMDAETGER 16
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Db 26 ASIPETWRSTLSCOR 41

RESULT 11
US-08-362-240A-2
Sequence 2, Application US/08362240A
Patent No. 5965138
GENERAL INFORMATION:
APPLICANT: Cochran, Mark D
APPLICANT: Junker, David
APPLICANT: Wild, Martha A
TITLE OF INVENTION: Recombinant Herpesvirus and Uses Thereof
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/362,240A
FILING DATE: Dec-22-94
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-362-240A-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPMDAETGER 16
| | | | | : : :
Db 26 ASIPETWRSTLSCOR 41

RESULT 12
PCT-US95-10245-2
Sequence 2, Application PC/TUS9510245
GENERAL INFORMATION:
APPLICANT: SYMPO CORPORATION
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys And Uses Thereof
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10245
FILING DATE: 09-AUG-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-10245-2

Query Match 44.6%; Score 41; DB 5; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPMDAETGER 16
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Db 26 ASIPETWRSTLSCOR 41

RESULT 13
US-08-440-103-29
Sequence 29, Application US/08440103
Patent No. 5670152
GENERAL INFORMATION:
APPLICANT: Weiner, Amy J.
TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,103
FILING DATE: 12-MAY-1995

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/231,368
FILING DATE:
APPLICATION NUMBER: US 07/759,575
FILING DATE: 13-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: McClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0205.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 601-2708
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 268 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Duplication
LOCATION: 3
OTHER INFORMATION: /label= heterogeneity
OTHER INFORMATION: /note= "Amino acid #3 can also be Arg."
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LOCATION: 7
OTHER INFORMATION: /label= Heterogeneity
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US-08-440-103-29
Query Match 43.5%; Score 40; DB 1; Length 268;
Best Local Similarity 70.0%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Db 142 PTYMGDMET 151
RESULT 14
US-08-440-103-30
Sequence 30, Application US/08440103
Patent No. 5670152
GENERAL INFORMATION:
APPLICANT: Weiner, Amy J.
APPLICANT: Houghton, Michael
TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,103
FILING DATE: 12-MAY-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/231,368
FILING DATE:
APPLICATION NUMBER: US 07/759,575
FILING DATE: 13-SEP-1991
ATTORNEY/AGENT INFORMATION:

NAME: McClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0205.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 601-2708
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 268 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Duplication
LOCATION: 5
OTHER INFORMATION: /label= Heterogeneity
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LOCATION: 79
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NAME/KEY: Duplication
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OTHER INFORMATION: /note= "This amino acid can also be Gly."

US-08-440-103-30

Query Match 43.5%; Score 40; DB 1; Length 268;
 Best Local Similarity 70.0%; Pred. No. 37;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Caps 0;

QY 4 PTYPMRDAET 13
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 Db 142 PTYPMGDNET 151

QY 4 PTYPMRDAET 13
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 Db 142 PTYPMGDNET 151
 Search completed: May 23, 2001, 15:56:30
 Job time: 163 sec

RESULT 15

US-08-440-542-29
 ; Sequence 29, Application US/08440542
 ; Patent No. 5670153
 ; GENERAL INFORMATION:
 ; APPLICANT: Weiner, Amy J.
 ; APPLICANT: Houghton, Michael
 ; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Chiron Corporation
 ; STREET: 4560 Horton Street
 ; CITY: Emeryville
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94608
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/440,542
 ; FILING DATE: 12-MAY-1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/231,368
 ; FILING DATE:
 ; APPLICATION NUMBER: US 07/759,575
 ; FILING DATE: 13-SEP-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: McClung, Barbara G.
 ; REGISTRATION NUMBER: 33,113
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (510) 601-2708
 ; TELEFAX: (510) 655-3542
 ; INFORMATION FOR SEQ ID NO: 29:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 268 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; FEATURE:
 ; NAME/KEY: Duplication
 ; LOCATION: 3
 ; OTHER INFORMATION: /label= heterogeneity
 ; OTHER INFORMATION: /note= "Amino acid #3 can also be Arg."
 ; FEATURE:
 ; NAME/KEY: Duplication
 ; LOCATION: 7
 ; OTHER INFORMATION: /label= Heterogeneity
 ; OTHER INFORMATION: /note= "Amino Acid #5 can also be Ala."
 ; US-08-440-542-29

Query Match 43.5%; Score 40; DB 1; Length 268;
 Best Local Similarity 70.0%; Pred. No. 37;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Caps 0;

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:28 ; Search time 109.73 seconds

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33.789 Million cell updates/sec

Title: US-09-518-931-2_COPY_1_193
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Sequence: 1 MRAEGPGSLCLCVLALPA.....CTALGLALNVPGSSSHDTLC 193

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents-AA:*

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- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
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- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
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| 2 | 435.5 | 39.7 | 401 | 3 | US-08-974-022-6 |
| 3 | 435.5 | 39.7 | 401 | 4 | US-09-042-785A-12 |
| 4 | 421 | 38.4 | 401 | 3 | US-08-974-022-2 |
| 5 | 419 | 38.2 | 401 | 3 | US-08-974-022-4 |
| 6 | 419 | 38.2 | 401 | 4 | US-09-042-785A-13 |
| 7 | 327.5 | 29.9 | 474 | 2 | US-08-650-000-4 |
| 8 | 327.5 | 29.9 | 474 | 4 | US-09-042-785A-8 |
| 9 | 327.5 | 29.9 | 474 | 6 | 5395760-4 |
| 10 | 326 | 29.7 | 227 | 3 | US-08-974-022-48 |
| 11 | 326 | 29.7 | 461 | 4 | US-09-042-785A-7 |
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| 13 | 324 | 29.5 | 461 | 2 | US-08-385-228-2 |
| 14 | 324 | 29.5 | 461 | 6 | 5395760-2 |
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| 16 | 324 | 29.5 | 518 | 1 | US-08-385-229-4 |
| 17 | 313 | 28.5 | 163 | 2 | US-08-219-237B-5 |
| 18 | 311 | 28.4 | 164 | 2 | US-08-232-087A-9 |
| 19 | 284.5 | 25.9 | 197 | 2 | US-08-505-606-1 |
| 20 | 278 | 25.3 | 253 | 4 | US-09-042-785A-4 |
| 21 | 278 | 25.3 | 605 | 4 | US-09-042-785A-23 |
| 22 | 250.5 | 22.8 | 355 | 1 | US-08-959-382-2 |
| 23 | 246 | 22.4 | 283 | 5 | PCT-US96-12374-2 |
| 24 | 246 | 22.4 | 451 | 3 | US-08-966-139-4 |
| 25 | 233 | 21.2 | 616 | 3 | US-08-996-139-6 |
| 26 | 233 | 21.2 | 616 | 3 | US-08-996-139-6 |
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| 28 | 228.5 | 20.8 | 625 | 3 | US-08-996-139-15 | Sequence 15, Appl |
| 29 | 227.5 | 20.7 | 207 | 3 | US-08-974-022-47 | Sequence 47, Appl |
| 30 | 227.5 | 20.7 | 325 | 1 | US-08-292-549-2 | Sequence 2, Appl1 |
| 31 | 227.5 | 20.7 | 325 | 4 | US-09-042-785A-9 | Sequence 9, Appl1 |
| 32 | 227.5 | 20.7 | 325 | 5 | PCT-US91-02207-2 | Sequence 2, Appl1 |
| 33 | 221.5 | 20.2 | 573 | 4 | US-09-042-785A-2 | Sequence 2, Appl1 |
| 34 | 219 | 20.0 | 277 | 2 | US-08-147-784-2 | Sequence 2, Appl1 |
| 35 | 214 | 19.5 | 205 | 3 | US-08-974-022-51 | Sequence 51, Appl |
| 36 | 212 | 19.3 | 139 | 2 | US-08-219-237B-8 | Sequence 8, Appl1 |
| 37 | 211 | 19.2 | 277 | 4 | US-09-042-785A-10 | Sequence 10, Appl |
| 38 | 204 | 18.6 | 326 | 1 | US-08-292-549-4 | Sequence 4, Appl1 |
| 39 | 204 | 18.6 | 326 | 5 | PCT-US91-02207-4 | Sequence 4, Appl1 |
| 40 | 203 | 18.5 | 197 | 3 | US-08-974-022-49 | Sequence 49, Appl |
| 41 | 203 | 18.5 | 289 | 4 | US-09-042-785A-11 | Sequence 11, Appl |
| 42 | 202.5 | 18.5 | 162 | 2 | US-08-219-237B-7 | Sequence 7, Appl1 |
| 43 | 198.5 | 18.1 | 206 | 1 | US-08-097-827-7 | Sequence 7, Appl1 |
| 44 | 198.5 | 18.1 | 206 | 1 | US-08-494-574-7 | Sequence 7, Appl1 |
| 45 | 198.5 | 18.1 | 438 | 1 | US-08-097-827-11 | Sequence 11, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OR INVENTION: TR4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%, Score 1097, DB 2, Length 300;

APPLICATION NUMBER: US 421,417

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; INFORMATION FOR SEQ ID NO: 8:
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; SEQUENCE CHARACTERISTICS:

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LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-8

Query Match 29.9%; Score 327.5; DB 4; Length 474;
Best Local Similarity 38.1%; Pred. NO. 2.2e-20;
Matches 59; Conservative 25; Mismatches 60; Indels 11; Gaps 3;

QY 46 RLVCACCPGPTVORPCRDSPPTGCPPRHYTOFWNLYLERCRCNVLCGEREEERARAC 105
DB 52 QMCAKCPGQGVYKHCKNTSDTVACDCAASMTYQWNOFRCLSSSSCTTDQVEIRAC 111
QY 106 HATHNRACRCRTGTF---AHAGF---CLEHASCPPGAGVIAPGTPSNTQCPCEPGTF 158
DB 112 TKQONRVACACGAGRYCALTKTHSGSCROCMRLSKCGPGFVASSRAVNGVYLKACAPGTF 171
QY 159 SASSSSECCOPHRNCTALGLALNVPGSSSHDTLC 193
DB 172 SDTTSSTVDCRPHRICSIIL---IPGNASTDAVC 202

RESULT 9

5395760-4
PATENT NO. 5395760
APPLICANT: SMITH, CRAIG A.; GOODWIN, RAYMOND G.; BECKMANN, M. PATRICIA
TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND B-RECEPTORS
NUMBER OF SEQUENCES: 17
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/523,635
FILING DATE: 10-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 421,417
FILING DATE: 13-OCT-1989
APPLICATION NUMBER: 405,370
FILING DATE: 11-SEP-1989
APPLICATION NUMBER: 403,241
FILING DATE: 05-SEP-1989
SEQ ID NO: 4
LENGTH: 474
5395760-4

Query Match 29.9%; Score 327.5; DB 6; Length 474;
Best Local Similarity 38.1%; Pred. NO. 2.2e-20;
Matches 59; Conservative 25; Mismatches 60; Indels 11; Gaps 3;

QY 46 RLVCACCPGPTVORPCRDSPPTGCPPRHYTOFWNLYLERCRCNVLCGEREEERARAC 105
DB 52 QMCAKCPGQGVYKHCKNTSDTVACDCAASMTYQWNOFRCLSSSSCTTDQVEIRAC 111
QY 106 HATHNRACRCRTGTF---AHAGF---CLEHASCPPGAGVIAPGTPSNTQCPCEPGTF 158
DB 112 TKQONRVACACGAGRYCALTKTHSGSCROCMRLSKCGPGFVASSRAVNGVYLKACAPGTF 171
QY 159 SASSSSECCOPHRNCTALGLALNVPGSSSHDTLC 193
DB 172 SDTTSSTVDCRPHRICSIIL---IPGNASTDAVC 202

RESULT 10

US-08-974-022-48
Sequence 48, Application US/08974022
PATENT NO. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehaven Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-48

Query Match 29.7%; Score 326; DB 3; Length 227;
Best Local Similarity 33.3%; Pred. NO. 1.4e-20;
Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

QY 8 GLSLCLVIALDALLPVPVAVGVAETPTYPWRDAETGE-----RLVCACCPG 55
DB 13 GLELMAAHALPA-----QVAFTPVP-----EPGSTRLEREYDQTAQCCSCSPG 60
QY 56 TEVQRCRDRSPPTGCPPRHYTOFWNLYLERCRCNVLCGEREEERARACHTHNRAC 115
DB 61 QAKVFCRTSDTVCDSCDSTYTQLMNVPECLSGSRSSDQVETOACTREQNTCTC 120
QY 116 RTGFEAHAG-----FCLHASCPPGAGVIAPGTPSNTQCPCEPGTFSSASSSECO 169
DB 121 RGWCIALSKQSCRCALRLKRCRGFGVARGTETSDVYCAFCAPAGTSTNTTSDICR 180
QY 170 PHRNCTALGLALNVPGSSSHDTLC 193
DB 181 PHQICNVV-----IPGNASTDAVC 200

RESULT 11

US-09-042-785A-7
Sequence 7, Application US/09042785A
PATENT NO. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/042,785A
 FILING DATE: 17-MAR-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/938,896
 FILING DATE: 26-SEP-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Mandrigouras, Amy E
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: MEL-001CP
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)742-4214
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 461 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 FRAGMENT TYPE: internal
 US-09-042-785A-7

| | | | | |
|-----------------------|------------------|--------------------|------------|-------------|
| Query Match | 29.7% | Score 326; | DB 4; | Length 461; |
| Best Local Similarity | 33.3% | Pred. No. 2.9e+20; | | |
| Matches 68; | Conservative 26; | Mismatches 76; | Indels 34; | Gaps 5 |

| | | | |
|----|-----|---|-----|
| Qy | 8 | GSLTLCVIALPALLPVAVGVAFETPTLYPRADTEGE-----RLVCAOCPPG | 55 |
| | | | |
| Dd | 13 | GLELMAAAHALPA-----QVAFTYAP----EPSTCKLRKYDTQTAMCCSKCSPG | 60 |
| | | | |
| Qy | 56 | TFVQRPCKRDSPTTCGPCRRPHHTQFMNYLECRKCYCNVLGGEREEREAACHATHNRACRC | 115 |
| | | | |
| Dd | 61 | QNAKFCTKTSDYCDSCEDSTYTQLMMWVRPECLSCSGSRSSDQVETHQACTBQDNRICTC | 120 |
| | | | |
| Qy | 116 | RTGFFAHAG-----FCLHAASCPGAGAVAPGTTPSONTOQCPCPBGTFSASSSSSECCQ | 165 |
| | | : : : | |
| Dd | 121 | RPGWICALSKOEGRLCAPLKRCBPBGVAVAPGTETSDVYCKPCAPCFSTFNMTSTDICR | 180 |
| | | | |
| Qy | 170 | PHRNCTALGLANLVPGSSSHDTLC | 193 |
| | | : : : : : : : : : | |
| Dd | 181 | PHQICNVYA----IPGNASRDVAVC | 200 |
| | | : : : : : : : : : | |

RESULT 12
 US-08-385-229-2
 Sequence 2, Application US/08385229
 Patent No. 5605690
 GENERAL INFORMATION:
 APPLICANT: Jacobs, Cindy A.
 APPLICANT: Smith, Craig A.
 TITLE OF INVENTION: Method of Treating TNF-Dependent
 TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: Washington
 COUNTRY: U.S.A.
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/385,229
 FILING DATE:

```

1 CLASSIFICATION: 435
2
3 PRIOR APPLICATION DATA:
4
5 APPLICATION NUMBER: US/07/946,236
6
7 FILING DATE:
8
9 ATTORNEY/AGENT INFORMATION:
10
11 NAME: Wight, Christopher L.
12 REGISTRATION NUMBER: 31,680
13 REFERENCE/DOCKET INFORMATION: 2503
14
15 TELECOMMUNICATION INFORMATION:
16
17 TELEPHONE: (206) 587-0430
18
19 TELEFAX: (206) 587-0606
20
21 INFORMATION FOR SEQ ID NO: 2:
22
23 SEQUENCE CHARACTERISTICS:
24
25 LENGTH: 461 amino acids
26
27 TYPE: amino acid
28
29 TOPOLOGY: linear
30
31 MOLECULE TYPE: protein
32
33 US-08-365-229-2

```

| | | | | |
|-----------------------|-----------------|---------------|-----------|------------|
| Query Match | 29.5% | Score 324 | DB 1 | length 461 |
| Best Local Similarity | 33.3% | Pred. No. | 4.3e-20 | |
| Matches 68 | Conservative 26 | Mismatches 76 | Indels 34 | Gaps 5 |

[illegible]

RESULT 13
 US-08-650-000-2
 Sequence 2, Application US/08650000
 Patent No. 5945397
 GENERAL INFORMATION:
 APPLICANT: Smith, Craig A.
 APPLICANT: Goodwin, Raymond G.
 APPLICANT: Beckmann, M. Patricia
 TITLE OF INVENTION: Tumor Necrosis Factor Receptors
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: Washington
 COUNTRY: U.S.A.
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/650,000
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/468,453
 FILING DATE:
 APPLICATION NUMBER: US/08/038,765
 FILING DATE:
 APPLICATION NUMBER: US 403,241

FILING DATE: 05-SEP-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 405,370
 FILING DATE: 11-SEP-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 421,417
 FILING DATE: 13-OCT-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 523,635
 FILING DATE: 10-MAY-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Wright, Christopher L.
 REGISTRATION NUMBER: 31,680
 REFERENCE/DOCKET NUMBER: 2501-D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 461 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-650-000-2

Query Match 29.5%; Score 324; DB 2; Length 461;
 Best Local Similarity 33.3%; Pred. No. 4.3e-20;
 Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

QY 8 GSLGLCLVIALPALLPVPAVRGVAETPTYPWRDAETGE-----RLVCAQCPCPG 55
 DB 13 GELMAAAHALPA-----QVAFPPVAP----EPGSTRCLREYYDQTAQCCSCSCSPG 60
 QY 56 TEVQRPGRDSDPTGCPRPRTHTQFWNYLRCRYCNVLGGEREEBARACHTHNRCRC 115
 DB 61 QHAKVCFCTSDPTVDCSDSDSTYTOLMNVPECLSGSCSSDQVETQACTREQNRITIC 120
 QY 116 RTGFEFAHAG-----FCLHASCPCPGAGYIAPGTPSNTQCCPCPGPTSSASSSSSQCO 169
 DB 121 RGGWCALSKQGCRCALRCRCPGFGVAPRGTEISDVYCKRCAPGTEISNTTSTDICR 180
 QY 170 PHRNCTALGLALNVPSSSSHDILC 193
 DB 181 PHQICNVVA-----IPGNASMDAVC 200

RESULT 14
 5395760-2
 Patent No. 5395760
 APPLICANT: SMITH, CRAIG A.; GOODWIN, RAYMOND G.; BECKMANN, M. PATRICIA
 TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-2 AND 2-B RECEPTORS
 NUMBER OF SEQUENCES: 17
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/523,635
 FILING DATE: 10-MAY-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 421,417
 FILING DATE: 13-OCT-1989
 APPLICATION NUMBER: 405,370
 FILING DATE: 11-SEP-1989
 APPLICATION NUMBER: 403,241
 FILING DATE: 05-SEP-1989
 SEQ ID NO: 2:
 LENGTH: 461
 5395760-2

Query Match 29.5%; Score 324; DB 6; Length 461;
 Best Local Similarity 33.3%; Pred. No. 4.3e-20;
 Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

QY 8 GSLGLCLVIALPALLPVPAVRGVAETPTYPWRDAETGE-----RLVCAQCPCPG 55
 DB 13 GELMAAAHALPA-----QVAFPPVAP----EPGSTRCLREYYDQTAQCCSCSCSPG 60
 QY 56 TEVQRPGRDSDPTGCPRPRTHTQFWNYLRCRYCNVLGGEREEBARACHTHNRCRC 115
 DB 61 QHAKVCFCTSDPTVDCSDSDSTYTOLMNVPECLSGSCSSDQVETQACTREQNRITIC 120
 QY 116 RTGFEFAHAG-----FCLHASCPCPGAGYIAPGTPSNTQCCPCPGPTSSASSSSSQCO 169
 DB 121 RGGWCALSKQGCRCALRCRCPGFGVAPRGTEISDVYCKRCAPGTEISNTTSTDICR 180
 QY 170 PHRNCTALGLALNVPSSSSHDILC 193
 DB 181 PHQICNVVA-----IPGNASMDAVC 200

RESULT 15
 US-08-243-010-1
 Sequence 1, Application US/08243010
 Patent No. 5639597
 GENERAL INFORMATION:
 APPLICANT: Laufer, Leander
 APPLICANT: Zetlmeissel, Gerd
 APPLICANT: Ogundo, Patricia
 TITLE OF INVENTION: Cell-free Receptor Binding Assays, The
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & ADDRESSEE: Dunner
 STREET: 1300 I Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005-3315
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/243,010
 FILING DATE: 13-MAY-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/798,564
 FILING DATE: 26-NOV-1991
 APPLICATION NUMBER: DE P 40 37 837.3
 FILING DATE: 28-NOV-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Einaudi, Carol P.
 REGISTRATION NUMBER: 32,220
 REFERENCE/DOCKET NUMBER: 02481-1132-00000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-408-4000
 TELEFAX: 202-408-4400
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 486 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-243-010-1

Query Match 29.5%; Score 324; DB 1; Length 486;
 Best Local Similarity 33.3%; Pred. No. 4.6e-20;
 Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

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Db 13 GLELMAAAHALPA-----QVAFPTYAP---EPGSTCRRLREYYDQTAQMCCKSPG 60
QY 56 TFVORPCRRDPTTCGPPRRHYTOFWNYLERCRYCNVLCGEREEEARACHATHNRACRC 115
   : | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 QHAKVFCTKTSDDTODSCEDSTYTQIMNMWPECLSCGSRCSDDVETQACTREQNRICTC 120
QY 116 RTGEFAHAG-----FCLHNASCPPGAGVIAAGTPSQNTOCQPCPPGTESASSSSSECCQ 169
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 121 RPYGVCALSKQEGCRLCAPLRKCRPGFGVARPGTETSDVVCPCAPGTFSTSTSDICR 180
QY 170 PHRNCTALGLALNVPGSSSHDTIC 193
   | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 181 PHQICNVYA-----IPGNASMDAVC 200

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Search completed: May 23, 2001, 15:56:29
 Job time: 162 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:28 ; Search time 109.73 Seconds
(without alignments)
47.270 Million cell updates/sec

Title: US-09-518-931-2_COPY_31_300
1487
Sequence: 1 AETPTYPWRAETGERLVCA.....RVANMPGLERSVRRFLPVH 270

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/prodata/2/1aa/5A_COMB.pep: *
2: /cgn2_6/prodata/2/1aa/5B_COMB.pep: *
3: /cgn2_6/prodata/2/1aa/6A_COMB.pep: *
4: /cgn2_6/prodata/2/1aa/6B_COMB.pep: *
5: /cgn2_6/prodata/2/1aa/PCFUS_COMB.pep: *
6: /cgn2_6/prodata/2/1aa/Backfiles1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|-------------------|
| 1 | 1487 | 100.0 | 300 | 2 | US-08-794-796-2 |
| 2 | 440.5 | 29.6 | 401 | 3 | US-08-974-022-6 |
| 3 | 440.5 | 29.6 | 401 | 4 | US-09-042-785A-12 |
| 4 | 425.5 | 28.6 | 401 | 3 | US-08-974-022-2 |
| 5 | 424.5 | 28.5 | 401 | 3 | US-08-974-022-4 |
| 6 | 424.5 | 28.5 | 401 | 4 | US-09-042-785A-13 |
| 7 | 340.5 | 22.9 | 461 | 1 | US-09-042-785A-7 |
| 8 | 338.5 | 22.8 | 461 | 1 | US-08-385-229-2 |
| 9 | 338.5 | 22.8 | 461 | 2 | US-08-650-000-2 |
| 10 | 338.5 | 22.8 | 461 | 6 | 5395760-2 |
| 11 | 333 | 22.4 | 227 | 3 | US-08-974-022-48 |
| 12 | 332.5 | 22.4 | 474 | 2 | US-08-650-000-4 |
| 13 | 332.5 | 22.4 | 474 | 4 | US-09-042-785A-8 |
| 14 | 332.5 | 22.4 | 474 | 6 | 5395760-4 |
| 15 | 331 | 22.3 | 486 | 1 | US-08-243-010-1 |
| 16 | 331 | 22.3 | 518 | 1 | US-08-385-229-4 |
| 17 | 318 | 21.4 | 163 | 2 | US-08-219-237B-5 |
| 18 | 316 | 21.3 | 164 | 2 | US-08-232-087A-9 |
| 19 | 287 | 19.3 | 253 | 4 | US-09-042-785A-4 |
| 20 | 287 | 19.3 | 605 | 4 | US-09-042-785A-23 |
| 21 | 287 | 19.3 | 655 | 3 | US-08-959-382-2 |
| 22 | 285.5 | 19.2 | 197 | 2 | US-08-505-606-1 |
| 23 | 258.5 | 17.4 | 355 | 1 | US-08-292-549-6 |
| 24 | 244 | 16.4 | 283 | 5 | PCT-US96-12374-2 |
| 25 | 235.5 | 15.8 | 451 | 3 | US-08-996-139-2 |
| 26 | 235.5 | 15.8 | 591 | 3 | US-08-996-139-2 |
| 27 | 235.5 | 15.8 | 616 | 3 | US-08-996-139-6 |

| | | | | | | |
|----|-------|------|-----|---|-------------------|-------------------|
| 28 | 234.5 | 15.8 | 207 | 3 | US-08-974-022-47 | Sequence 47, Appl |
| 29 | 234.5 | 15.8 | 325 | 1 | US-08-292-549-2 | Sequence 2, Appl |
| 30 | 234.5 | 15.8 | 325 | 4 | US-09-042-785A-9 | Sequence 9, Appl |
| 31 | 234.5 | 15.8 | 325 | 5 | PCT-US81-02207-2 | Sequence 2, Appl |
| 32 | 225 | 15.1 | 573 | 4 | US-09-042-785A-2 | Sequence 2, Appl |
| 33 | 220.5 | 14.8 | 625 | 3 | US-08-996-139-15 | Sequence 15, Appl |
| 34 | 215.5 | 14.5 | 277 | 2 | US-08-147-784-2 | Sequence 2, Appl |
| 35 | 212 | 14.3 | 139 | 2 | US-08-219-237B-8 | Sequence 8, Appl |
| 36 | 211.5 | 14.2 | 205 | 3 | US-08-974-022-51 | Sequence 51, Appl |
| 37 | 211 | 14.2 | 277 | 4 | US-09-042-785A-10 | Sequence 10, Appl |
| 38 | 210.5 | 14.2 | 326 | 1 | US-08-292-549-4 | Sequence 4, Appl |
| 39 | 210.5 | 14.2 | 326 | 5 | PCT-US91-02207-4 | Sequence 49, Appl |
| 40 | 203 | 13.7 | 197 | 3 | US-08-974-022-49 | Sequence 49, Appl |
| 41 | 203 | 13.7 | 289 | 4 | US-09-042-785A-11 | Sequence 11, Appl |
| 42 | 202.5 | 13.6 | 162 | 2 | US-08-219-237B-7 | Sequence 7, Appl |
| 43 | 195.5 | 13.1 | 206 | 1 | US-08-097-827-7 | Sequence 7, Appl |
| 44 | 195.5 | 13.1 | 206 | 1 | US-08-494-574-7 | Sequence 7, Appl |
| 45 | 195.5 | 13.1 | 438 | 1 | US-08-097-827-11 | Sequence 11, Appl |

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OF SEQUENCES: TR4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 1487; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 1.2e-123;
Matches 270; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

| | | | |
|----|-----|---|-----|
| QY | 1 | AETPTMPRADETEBERLYACACPPGTGVORCRDSDSTTGPOCPRHHTOEFMYTLEHCRI | 60 |
| Db | 31 | AETPTTPKRADETERLYACACPPGTGVORCRDSDSTTGPOCPRHHTOEFMYTLEHCRI | 90 |
| QY | 61 | CNVLCGEREEERARACHATHNRACRCRTGFFAHAGFCLEHASCPEGAGVIAPGTPSONTOC | 120 |
| Db | 91 | CNVLCGEREEERARACHATHNRACRCRTGFFAHAGFCLEHASCPEGAGVIAPGTPSONTOC | 150 |
| QY | 121 | QPCPGTFSASSSSSECCOPRNRCTATGLNLNVGSSSHDTCTSCGFLSTRVPEAE | 180 |
| Db | 151 | QPCPGTFSASSSSSECCOPRNRCTATGLNLNVGSSSHDTCTSCGFLSTRVPEAE | 210 |
| QY | 181 | CERAVIDVFVAFODISIKRLQRLLOALPAEBWGPTPRAGRAIOLKLRRLTELGLAGDG | 240 |
| Db | 211 | CERAVIDVFVAFODISIKRLQRLLOALPAEBWGPTPRAGRAIOLKLRRLTELGLAGDG | 270 |
| QY | 241 | ALLVRLLOALVARMPLGERSVVRERELPVH | 270 |
| Db | 271 | ALLVRLLOALVARMPLGERSVVRERELPVH | 300 |

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 29.6% Score 440.5; DB 3; Length 401;
Best Local Similarity 41.28%; Pred. No 2.7e-31;
Matches 77; Conservative 31; Mismatches 74; Indels 5; Gaps 2;

4 PLYWRDAETGERLVCACCPGTEVYQRPCKRSDPTTGCSPRRHAYTOFWNVLERCRCYNV 63
+ + + + + :
26 PKYLHDEEETHNLCDKSCAPROTKYAKCSTAKMKIVCAKPRNHXYATDWMNSHDELCLXSP 85

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QY 64 LCGEHEEERACMHTHNACRCRTGFPAHAGFCLEHASCPRGAVIARGPSPONTQOPC 123
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 86 VCKEIQYWKOCNMTHNHNVCCCKEGRYLEIEFLCKHRSCEPGFVWVAGPERRTYKRC 145
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 124 PPGTFSASSSSSEDCOPHRNCTALGLALNVPGSSSHDITCTSCGFPDSTRVPGAEB -C 181
      | | | | : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 146 PDGFSNETSSKAPCRKHTNCSVFGLTLTKGNATHDNI---CSGNSESTOKCGIDVTL 202
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 182 ERAVIDF 188
      | | | |
Db 203 EEAFFRF 209
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RESULT 3
HE-00-043

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

[illegible]

OY 182 ERAVIDE 188
DB 203 EEAFFRF 209

RESULT 4

US-08-974-022-2
Sequence 2, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match 28.6%; Score 425.5; DB 3; Length 401;
Best Local Similarity 39.5%; Pred. No. 5, 6e-30;
Matches 81; Conservative 33; Mismatches 86; Indels 5; Gaps 2;

OY 4 PTYPMDAETGERLVCAOCPPGTFVORPCRRDSPTTCGPPRRHYQFMNLYERCRVCNV 63
DB 26 PKLIHYDPEHGQLDCKAPGTYLKQHCTVRRKTKLCVPCPDHSYDSMTSECVYCSF 85
OY 64 LCGEREERARACHATHNRACRCRTGFFAHAGFCLLEHASCPPGAGVLAFTPSONTCCOPC 123
DB 86 VCKELQTVKQECNRTHNRVCECEGRYLELEFCLKHRSCEPGVGVQAGTPERNVCKRC 145
OY 124 PCTFSSASSSSBQCPHNRCTALGLALNVPSSSHDTLCTCTGFPPLSTRVGAEE--C 181
DB 146 PDGFFSGETSSKAPCRKHNKNCSSGLLLQKGNATHDNV---CSGNREATQNGCIDVTLC 202
OY 182 ERAVIDFAFODISIKRLQRLQAL 206
DB 203 EEAFFRFVPTKIIPMWLSVLVDSL 227

RESULT 5

US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-4

Query Match 28.5%; Score 424.5; DB 3; Length 401;
Best Local Similarity 39.0%; Pred. No. 6, 8e-30;
Matches 80; Conservative 32; Mismatches 88; Indels 5; Gaps 2;

OY 4 PTYPMDAETGERLVCAOCPPGTFVORPCRRDSPTTCGPPRRHYQFMNLYERCRVCNV 63
DB 26 PKLIHYDPEHGQLDCKAPGTYLKQHCTVRRKTKLCVPCPDHSYDSMTSECVYCSF 85
OY 64 LCGEREERARACHATHNRACRCRTGFFAHAGFCLLEHASCPPGAGVLAFTPSONTCCOPC 123
DB 86 VCKELQTVKQECNRTHNRVCECEGRYLELEFCLKHRSCEPGVGVQAGTPERNVCKRC 145
OY 124 PCTFSSASSSSBQCPHNRCTALGLALNVPSSSHDTLCTCTGFPPLSTRVGAEE--C 181
DB 146 PDGFFSGETSSKAPCRKHNKNCSSGLLLQKGNATHDNV---CSGNREATQNGCIDVTLC 202
OY 182 ERAVIDFAFODISIKRLQRLQAL 206
DB 203 EEAFFRFVPTKIIPMWLSVLVDSL 227

RESULT 6

US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts

Query Match 22.4%; Score 332.5; DB 2; Length 474;
Best Local Similarity 29.7%; Pred. No. 1.1e-21;
Matches 81; Conservative 44; Mismatches 109; Indels 39; Gaps 9;

QY 16 RLVCACCPGTFVQRCRDSPTTCGCPRHHTOFWNYLERCYCNVLCGEREEERAC 75
DB 52 QMCACCPGQYVYKHCNKTSDFVACDCASMTYOWNQFRTLCSSSCTTQVETIRAC 111
QY 76 HATHNACRCRTGFF---AHAGF---CLEHASCPCGAGYIAGTFSQNTQCPCPPGT 128
DB 112 TKOONRVACAEAGRYCALKTHSSCQCMRLSKCGFGVASSRAPNGVNLCAACAPGT 171
QY 129 SASSSSEOCQPHRNCTALGLALNVPSSSHDTLCT---SCTGFPLSTRVPAECERA 184
DB 172 SDTSSSTDVCRPHRISILA---IPGNASTDAVCAPESTLSAIPRTLYVSPPEPTRSQ 227
QY 185 VIDFVAFODISIRLQRLQALPAPEGWPTP-----RAGRALQKLRRRLTELLGAOD 239
DB 228 PLD---QEPGSPQTSILTSL-----GSTPIEOSTKGISLPIGLIVGVTSL----- 272
QY 240 GALLVRLQAL---RVARMPLERSVREERFLP 268
DB 273 GLMLGLVNCIILVQRKKPKSCLOQDAKYPHP 305

RESULT 13
US-09-042-785A-8
Sequence 8, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-8

Query Match 22.4%; Score 332.5; DB 4; Length 474;
Best Local Similarity 29.7%; Pred. No. 1.1e-21;
Matches 81; Conservative 44; Mismatches 109; Indels 39; Gaps 9;

QY 16 RLVCACCPGTFVQRCRDSPTTCGCPRHHTOFWNYLERCYCNVLCGEREEERAC 75
DB 52 QMCACCPGQYVYKHCNKTSDFVACDCASMTYOWNQFRTLCSSSCTTQVETIRAC 111
QY 76 HATHNACRCRTGFF---AHAGF---CLEHASCPCGAGYIAGTFSQNTQCPCPPGT 128
DB 112 TKOONRVACAEAGRYCALKTHSSCQCMRLSKCGFGVASSRAPNGVNLCAACAPGT 171
QY 129 SASSSSEOCQPHRNCTALGLALNVPSSSHDTLCT---SCTGFPLSTRVPAECERA 184
DB 172 SDTSSSTDVCRPHRISILA---IPGNASTDAVCAPESTLSAIPRTLYVSPPEPTRSQ 227
QY 185 VIDFVAFODISIRLQRLQALPAPEGWPTP-----RAGRALQKLRRRLTELLGAOD 239
DB 228 PLD---QEPGSPQTSILTSL-----GSTPIEOSTKGISLPIGLIVGVTSL----- 272
QY 240 GALLVRLQAL---RVARMPLERSVREERFLP 268
DB 273 GLMLGLVNCIILVQRKKPKSCLOQDAKYPHP 305

RESULT 14
5395760-4
Patent No. 5395760
M. PATRICIA
TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR- α AND
B-RECEPTORS
NUMBER OF SEQUENCES: 17
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/523,635
FILING DATE: 10-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 421,417
FILING DATE: 13-OCT-1989
APPLICATION NUMBER: 405,370
FILING DATE: 11-SEP-1989
APPLICATION NUMBER: 403,241
FILING DATE: 05-SEP-1989
SEQ ID NO: 4
LENGTH: 474
5395760-4

Query Match 22.4%; Score 332.5; DB 6; Length 474;
Best Local Similarity 29.7%; Pred. No. 1.1e-21;
Matches 81; Conservative 44; Mismatches 109; Indels 39; Gaps 9;

QY 16 RLVCACCPGTFVQRCRDSPTTCGCPRHHTOFWNYLERCYCNVLCGEREEERAC 75
DB 52 QMCACCPGQYVYKHCNKTSDFVACDCASMTYOWNQFRTLCSSSCTTQVETIRAC 111
QY 76 HATHNACRCRTGFF---AHAGF---CLEHASCPCGAGYIAGTFSQNTQCPCPPGT 128
DB 112 TKOONRVACAEAGRYCALKTHSSCQCMRLSKCGFGVASSRAPNGVNLCAACAPGT 171
QY 129 SASSSSEOCQPHRNCTALGLALNVPSSSHDTLCT---SCTGFPLSTRVPAECERA 184
DB 172 SDTSSSTDVCRPHRISILA---IPGNASTDAVCAPESTLSAIPRTLYVSPPEPTRSQ 227
QY 185 VIDFVAFODISIRLQRLQALPAPEGWPTP-----RAGRALQKLRRRLTELLGAOD 239
DB 228 PLD---QEPGSPQTSILTSL-----GSTPIEOSTKGISLPIGLIVGVTSL----- 272
QY 240 GALLVRLQAL---RVARMPLERSVREERFLP 268
DB 273 GLMLGLVNCIILVQRKKPKSCLOQDAKYPHP 305

RESULT 15
US-08-243-010-1
Sequence 1, Application US/08243010

Patent No.5639597
GENERAL INFORMATION:
APPLICANT: lauffer, leander
APPLICANT: zettlmeissel, gerd
APPLICANT: Oquendo, Patricia
TITLE OF INVENTION: Cell-free Receptor Binding Assays, The
TITLE OF INVENTION: Production and Use Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/243,010
FILING DATE: 13-Jan-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/798,564
FILING DATE: 26-NOV-1991
APPLICATION NUMBER: DE P 40 37 837.3
FILING DATE: 28-NOV-1990
ATTORNEY/AGENT INFORMATION:
NAME: Einaudi, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1132-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-408-4000
TELEFAX: 202-408-4400
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 486 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
OS-08-243-010-1

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:53:47 ; Search time 519.08 Seconds

(without alignments)
92.965 Million cell updates/sec

Title: US-09-518-931-2

Perfect score: 1634
Sequence: 1 MRALEGPGLSLCLVLPALPA.....RVAMPGLRSVRERFLPVH 300

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1009251 seqs, 160854530 residues

Total number of hits satisfying chosen parameters: 1009251

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Pending_Patents_AA_Main:*

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23: /cgn2_6/ptodata/2/paa/US107_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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| 1 | 1634 | 100.0 | 300 | 1 | PCT-US00-03037-3 |
| 2 | 1634 | 100.0 | 300 | 1 | PCT-US00-05686-2 |
| 3 | 1634 | 100.0 | 300 | 1 | PCT-US99-28696-2 |
| 4 | 1634 | 100.0 | 300 | 14 | US-09-006-352-2 |
| 5 | 1634 | 100.0 | 300 | 15 | US-09-119-899-2 |
| 6 | 1634 | 100.0 | 300 | 15 | US-09-157-289-1 |
| 7 | 1634 | 100.0 | 300 | 15 | US-09-157-289E-1 |
| 8 | 1634 | 100.0 | 300 | 16 | US-09-280-567-2 |
| 9 | 1634 | 100.0 | 300 | 16 | US-09-280-567-2 |
| 10 | 1634 | 100.0 | 300 | 16 | US-09-280-567-2 |

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|----|--------|-------|-----|----|-------------------|--------------------|
| 11 | 1634 | 100.0 | 300 | 18 | US-09-421-838-2 | Sequence 2, Appl1 |
| 12 | 1634 | 100.0 | 300 | 18 | US-09-455-691-2 | Sequence 2, Appl1 |
| 13 | 1634 | 100.0 | 300 | 19 | US-09-518-931-2 | Sequence 2, Appl1 |
| 14 | 1634 | 100.0 | 300 | 19 | US-09-523-323-52 | Sequence 52, Appl1 |
| 15 | 1634 | 100.0 | 300 | 23 | US-60-137-457-52 | Sequence 52, Appl1 |
| 16 | 1634 | 100.0 | 300 | 23 | US-60-142-657-52 | Sequence 52, Appl1 |
| 17 | 1634 | 100.0 | 300 | 23 | US-60-168-380-52 | Sequence 52, Appl1 |
| 18 | 1619.5 | 99.1 | 299 | 16 | US-09-286-529-17 | Sequence 17, Appl1 |
| 19 | 1619 | 99.1 | 300 | 16 | US-09-280-567-4 | Sequence 4, Appl1 |
| 20 | 1619 | 99.1 | 300 | 16 | US-09-280-567-4 | Sequence 4, Appl1 |
| 21 | 1619 | 99.1 | 300 | 16 | US-09-280-567-4 | Sequence 4, Appl1 |
| 22 | 1619 | 99.1 | 300 | 16 | US-09-421-838-4 | Sequence 4, Appl1 |
| 23 | 1612 | 98.7 | 300 | 17 | US-09-351-777-2 | Sequence 2, Appl1 |
| 24 | 1502 | 91.9 | 300 | 18 | PCT-US99-28696-4 | Sequence 4, Appl1 |
| 25 | 1502 | 91.9 | 300 | 18 | US-09-455-691-4 | Sequence 4, Appl1 |
| 26 | 1491 | 91.2 | 271 | 1 | PCT-US00-03037-4 | Sequence 4, Appl1 |
| 27 | 1491 | 91.2 | 271 | 16 | US-09-280-567-6 | Sequence 6, Appl1 |
| 28 | 1491 | 91.2 | 271 | 16 | US-09-280-567-6 | Sequence 6, Appl1 |
| 29 | 1491 | 91.2 | 271 | 16 | US-09-280-567-6 | Sequence 6, Appl1 |
| 30 | 1491 | 91.2 | 271 | 18 | US-09-421-838-6 | Sequence 6, Appl1 |
| 31 | 1485 | 90.9 | 271 | 16 | US-09-280-567-8 | Sequence 8, Appl1 |
| 32 | 1485 | 90.9 | 271 | 16 | US-09-280-567-8 | Sequence 8, Appl1 |
| 33 | 1485 | 90.9 | 271 | 16 | US-09-280-567-8 | Sequence 8, Appl1 |
| 34 | 1485 | 90.9 | 271 | 18 | US-09-421-838-8 | Sequence 8, Appl1 |
| 35 | 1362 | 83.4 | 245 | 13 | US-08-991-945-1 | Sequence 1, Appl1 |
| 36 | 1177 | 72.0 | 211 | 16 | US-09-286-529-20 | Sequence 20, Appl1 |
| 37 | 855 | 52.3 | 146 | 19 | US-09-523-323-59 | Sequence 59, Appl1 |
| 38 | 855 | 52.3 | 146 | 23 | US-60-137-457-59 | Sequence 59, Appl1 |
| 39 | 855 | 52.3 | 146 | 23 | US-60-142-657-59 | Sequence 59, Appl1 |
| 40 | 855 | 52.3 | 146 | 23 | US-60-168-380-59 | Sequence 59, Appl1 |
| 41 | 848.5 | 51.9 | 168 | 13 | US-08-924-634A-18 | Sequence 18, Appl1 |
| 42 | 841 | 51.5 | 153 | 16 | US-09-212-270-2 | Sequence 2, Appl1 |
| 43 | 841 | 51.5 | 153 | 16 | US-09-212-270-2 | Sequence 2, Appl1 |
| 44 | 841 | 51.5 | 153 | 16 | US-09-286-529-2 | Sequence 2, Appl1 |
| 45 | 814 | 49.8 | 170 | 1 | PCT-US00-05686-4 | Sequence 4, Appl1 |

ALIGNMENTS

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RESULT 1
PCT-US00-03037-3
: Sequence 3, Application PC/TUS0003037
: GENERAL INFORMATION:
: APPLICANT: Merck & Co., Inc (CA, EP, JP)
: TITLE OF INVENTION: METHODS OF USE FOR DNA MOLECULES
: TITLE OF INVENTION: METHODS OF USE FOR DNA MOLECULES
: FILE REFERENCE: 20392Y
: CURRENT APPLICATION NUMBER: PCT/US00/03037
: NUMBER OF SEQ ID NOS: 21
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 3
: LENGTH: 300
: TYPE: PRT
: ORGANISM: Homo sapien
: PCT-US00-03037-3
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| Best Local Similarity | 100.0% | Pred. No. 7.6e-120; | | |
| Matches 300; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0; |
| QY | 1 | MRALEGPGLSLCLVLPALPA | 1 | PCT-US00-03037-3 |
| DB | 1 | MRALEGPGLSLCLVLPALPA | 1 | PCT-US00-03037-3 |
| QY | 61 | PCRRDSTTCGPPRRHYOENMYLRCRCNVLCGRREERACATHTHRACRCRGGF | 120 | |
| DB | 61 | PCRRDSTTCGPPRRHYOENMYLRCRCNVLCGRREERACATHTHRACRCRGGF | 120 | |
| QY | 121 | AHAGFCLHASCPCGAGVIA | 180 | |

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|----------------|-----|---|-----|
| D _b | 121 | AHAGCELEHASCPCPGAGVIAGTGFPSQNTQCPCPPGTFSSASSSSSEQCQPHRNTALGLA | 180 |
| Q _y | 181 | LNWGGSSHDPLCTSCGFPILSTVPGAEDEERAVIDPVAFODISTRLQRLQALEAPE | 240 |
| D _b | 181 | LNWGGSSHDPLCTSCGFPILSTVPGAEDEERAVIDPVAFODISTRLQRLQALEAPE | 240 |
| Q _y | 241 | GMGFTPRAGRAALDKLRRRLTELLGADGALLRLQALRAVAMPGLERSVREFLPVH | 300 |
| D _b | 241 | GMGFTPRAGRAALDKLRRRLTELLGADGALLRLQALRAVAMPGLERSVREFLPVH | 300 |

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RESULT 2
PCT-US00-05686-2
: Sequence 2. Application PC/TUS0005686
: GENERAL INFORMATION:
: APPLICANT: Human Genome Sciences, Inc.
: TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
: FILE REFERENCE: PF454Pl.PCT
: CURRENT APPLICATION NUMBER: PC/US00/05686
: EARLIER FILING DATE: 2000-03-03
: EARLIER APPLICATION NUMBER: 60/121,774
: EARLIER FILING DATE: 1999-03-04
: EARLIER APPLICATION NUMBER: 60/124,092
: EARLIER FILING DATE: 1999-03-12
: EARLIER APPLICATION NUMBER: 60/131,279
: EARLIER FILING DATE: 1999-04-27
: EARLIER APPLICATION NUMBER: 60/131,964
: EARLIER FILING DATE: 1999-04-30
: EARLIER APPLICATION NUMBER: 60/146,371
: EARLIER FILING DATE: 1999-08-02
: EARLIER APPLICATION NUMBER: 60/168,235
: EARLIER FILING DATE: 1999-12-01
: NUMBER OF SEQ ID NOS: 27
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 300
: TYPE: PRT
: ORGANISM: Homo sapiens
PCT-US00-05686-2

```

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Query Match          100.0%: Score 1634; DB 1; Length 300;
Best Local Similarity 100.0%: Pred. No. 7 6e-120.
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps

QY      1  MRALEGGLSLICLVIALPALLPVAVRGVAETPTYPWMDAETGGERLVCAQCPPTGVQR 60
Db      1  MRALEGGLSLICLVIALPALLPVAVRGVAETPTYPWMDAETGERLVCAQCPPTGVQR 60

QY      61  PCRDPSTTGCPCPRHAYTFQWNLTEGRCYCNVLGGEREEARACHATHNRACRTGTF 120
Db      61  PCRDPSTTGCPCPRHAYTFQWNLTEGRCYCNVLGGEREEARACHATHNRACRTGTF 120

QY      121  AHAGFCLEHASCPRGAGVAVAGTPSQNTQOCPCPPGTFSASSSSSECCQPHRMCTALGTA 180
Db      121  AHAGFCLEHASCPRGAGVAVAGTPSQNTQOCPCPPGTFSASSSSSECCQPHRMCTALGTA 180

QY      181  LNVGSSSHDTLCTSCGTFPLSTFVPAEBCERAVIDFAFODISIKRLORLLQALDEAPE 240
Db      181  LNVGSSSHDTLCTSCGTFPLSTFVPAEBCERAVIDFAFODISIKRLORLLQALDEAPE 240

QY      241  GMGFTPAGRAALDLKLRRLRTTELLGQDQDALLVRLQALRVARMPGLESVREERFLPVH 300
Db      241  GMGFTPAGRAALDLKLRRLRTTELLGQDQDALLVRLQALRVARMPGLESVREERFLPVH 300

RESULT      3
PCT-US99-28696-2
: Sequence 2, Application PC/TUS9928696
: GENERAL INFORMATION:
: APPLICANT: Eli Lilly and Company
: TITLE OF INVENTION: FLINT Compositions and Uses Thereof

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; FILE REFERENCE: X-12671
; CURRENT APPLICATION NUMBER: PCT/US99/28696
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: prt
; ORGANISM: Homo sapiens
PCT-US99-28696-2

```

| | | | | | | | | | |
|----|-------------|-----------------|--------------|----------------|------------|---------------------|--------|--------|------|
| | Query Match | Similarity | 100.0% | Score | 1634 | DB | 1 | Length | 300 |
| | Best Local | Similarity | 100.0% | Pred. No. | 7 | 6e-120 | | | |
| | Matches | 300 | Conservative | 0 | Mismatches | 0 | Indels | 0 | Gaps |
| QY | 1 | MALEGPGLSLCLVLA | LALPALLPVPA | RVGAETPTTMYRDA | ETGRLVCA | ACCPGPTVQR | 60 | | |
| Db | 1 | MALEGPGLSLCLVLA | LALPALLPVPA | RVGAETPTTMYRA | ETGERLVCA | ACCPGPTVQR | 60 | | |
| QY | 61 | PCRRDSPTCPCPCP | PRHYTQFWN | TLERCRCNVLCGE | EEERAC | CHATHNACRCRTGFE | 120 | | |
| Db | 61 | PCRRDSPTCPCPCP | PRHYTQFWN | TLERCRCNVLCGE | EEERAC | CHATHNACRCRTGFE | 120 | | |
| QY | 121 | AHAGCCEHSHACCP | PGAGVIACTG | TSQNTQCCPCP | PGTFSAS | SSSSSECCQPHRNTALGIA | 180 | | |
| Db | 121 | AHAGCCEHSHACCP | PGAGVIACTG | TSQNTQCCPCP | GTFSAS | SSSSSECCQPHRNTALGIA | 180 | | |
| QY | 181 | LNVPSSSSHDLTCT | SCTEFPLSTF | VPGAEE | ERAVIDFVA | FODISIRLRQLQALFAPE | 240 | | |
| Db | 181 | LNVPSSSSHDLTCT | SCTEFPLSTF | VPGAEE | ERAVIDFVA | FODISIRLRQLQALFAPE | 240 | | |
| QY | 241 | GMGPFRPAGRAAL | QIKLRRRLTE | LLGAGDGLVLR | LQALRVAM | PLGESSVERFLPVH | 3000 | | |
| Db | 241 | GMGPFRPAGRAAL | QIKLRRRLTE | LLGAGDGLVLR | LQALRVAM | PLGESSVERFLPVH | 3000 | | |

```

RESULT 4
US-09-006-352-2
: Sequence 2, Application US/09006352
: GENERAL INFORMATION:
: APPLICANT: Gentz, Reiner et al.
: TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
: FILE REFERENCE: PF454
: CURRENT APPLICATION NUMBER: US/09/006,352
: CURRENT FILING DATE: 1998-01-13
: PRIOR APPLICATION NUMBER: 60/035,496
: PRIOR FILING DATE: 1997-01-14
: NUMBER OF SEQ ID NOS: 24
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 300
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-006-352-2

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| | | | | | |
|----|-----------------------|---|---------------|-----------|-------------|
| | Query Match | 100.0% | Score 1634; | DB 14: | Length 300; |
| | Best Local Similarity | 100.0% | Pred. No. 7 | 6e-120: | |
| | Matches 300; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0; |
| OY | 1 | KRALEGPGSLTCLVIALPALLPYAVAGVAETPPYPRMDAETGRLVCAACPPTGFVQR | 60 | | |
| Dd | 1 | MRALEGGPGLSTLCLVIALPALLPYAVAGVAETPPYPRMDAETGRLVCAACPPTGFVQR | 60 | | |
| OY | 61 | PCRDRSPPTCGPCPPRHATQEWNTYERCRICNVLCGEDEEERACHATHNRACRRTGFF | 120 | | |
| Dd | 61 | PCRDRSPPTCGPCPPRHATQEWNTYERCRICNVLCGEDEEERACHATHNRACRRTGFF | 120 | | |
| OY | 121 | AHAGCIEHASCPPEAGIAPGTBPSQNOOCPCPTGSASSSSSEGCOPHNRCALGIA | 180 | | |
| Dd | 121 | AHAGCIEHASCPPEAGIAPGTBPSQNOOCPCPTGSASSSSSEGCOPHNRCALGIA | 180 | | |

```
Oy 181 LNVPGSSHDLTCTGCTGPELSTRVPGAECECAVDFVAFODISIKRLQRLQLEAPE 240
      |||||||
Db 181 LNVPGSSHDLTCTGCTGPELSTRVPGAECECAVDFVAFODISIKRLQRLQLEAPE 240
Oy 241 GNGPPTPRAGRAALQTLKRLRRLTELLGAODGALLVRLQLARVARMGLESVEREFLPVH 300
      |||||||
Db 241 GNGPPTPRAGRAALQTLKRLRRLTELLGAODGALLVRLQLARVARMGLESVEREFLPVH 300
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RESULT 5

US-09-119-899-2

```
; Sequence 2, Application US/09119899
; GENERAL INFORMATION:
; APPLICANT: Farrah, Theresa M
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR ZTNFR-5
; FILE REFERENCE: 97-31
; CURRENT APPLICATION NUMBER: US/09/119,899
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/053,203
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-119-899-2
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Query Match 100.0%; Score 1634; DB 15; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Oy 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTYPWMDAETGERLVCAQCPTGTFVOR 60
      |||||||
Db 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTYPWMDAETGERLVCAQCPTGTFVOR 60
Oy 61 PCRDSPTTCGCPPRHYTFQFMYLERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
      |||||||
Db 61 PCRDSPTTCGCPPRHYTFQFMYLERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
Oy 121 AHAGFLEHASCPGAGVIAPGTPSONTOCQPCPPTFSASSSSBQCPHNRCTALGLA 180
      |||||||
Db 121 AHAGFLEHASCPGAGVIAPGTPSONTOCQPCPPTFSASSSSBQCPHNRCTALGLA 180
Oy 181 LNVPGSSHDLTCTGCTGPELSTRVPGAECECAVDFVAFODISIKRLQRLQLEAPE 240
      |||||||
Db 181 LNVPGSSHDLTCTGCTGPELSTRVPGAECECAVDFVAFODISIKRLQRLQLEAPE 240
Oy 241 GNGPPTPRAGRAALQTLKRLRRLTELLGAODGALLVRLQLARVARMGLESVEREFLPVH 300
      |||||||
Db 241 GNGPPTPRAGRAALQTLKRLRRLTELLGAODGALLVRLQLARVARMGLESVEREFLPVH 300
```

RESULT 6

US-09-157-289-1

```
; Sequence 1, Application US/09157289D
; GENERAL INFORMATION:
; APPLICANT: ASHKENAZI, AVI J
; APPLICANT: BOTSTEIN, DAVID
; APPLICANT: DODGE, KELLY H.
; APPLICANT: GURNEY, AUSTIN L.
; APPLICANT: KIM, KYUNG JIN
; APPLICANT: LAWRENCE, DAVID A.
; APPLICANT: PITTI, ROBERT
; APPLICANT: ROY, MARGARET A
; APPLICANT: TUMAS, DANIEL B
; APPLICANT: WOOD, WILLIAM I.
; TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
; FILE REFERENCE: P1134R2
; CURRENT APPLICATION NUMBER: US/09/157,289D
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: US 60/059,288
```

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; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: US 60/094,640
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 16
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-157-289-1
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```
Query Match 100.0%; Score 1634; DB 15; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Oy 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTYPWMDAETGERLVCAQCPTGTFVOR 60
      |||||||
Db 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTYPWMDAETGERLVCAQCPTGTFVOR 60
Oy 61 PCRDSPTTCGCPPRHYTFQFMYLERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
      |||||||
Db 61 PCRDSPTTCGCPPRHYTFQFMYLERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
Oy 121 AHAGFLEHASCPGAGVIAPGTPSONTOCQPCPPTFSASSSSBQCPHNRCTALGLA 180
      |||||||
Db 121 AHAGFLEHASCPGAGVIAPGTPSONTOCQPCPPTFSASSSSBQCPHNRCTALGLA 180
Oy 181 LNVPGSSHDLTCTGCTGPELSTRVPGAECECAVDFVAFODISIKRLQRLQLEAPE 240
      |||||||
Db 181 LNVPGSSHDLTCTGCTGPELSTRVPGAECECAVDFVAFODISIKRLQRLQLEAPE 240
Oy 241 GNGPPTPRAGRAALQTLKRLRRLTELLGAODGALLVRLQLARVARMGLESVEREFLPVH 300
      |||||||
Db 241 GNGPPTPRAGRAALQTLKRLRRLTELLGAODGALLVRLQLARVARMGLESVEREFLPVH 300
```

RESULT 7

US-09-157-289E-1

```
; Sequence 1, Application US/09157289E
; GENERAL INFORMATION:
; APPLICANT: ASHKENAZI, AVI J
; APPLICANT: BOTSTEIN, DAVID
; APPLICANT: DODGE, KELLY H.
; APPLICANT: GURNEY, AUSTIN L.
; APPLICANT: KIM, KYUNG JIN
; APPLICANT: LAWRENCE, DAVID A.
; APPLICANT: PITTI, ROBERT
; APPLICANT: ROY, MARGARET A
; APPLICANT: TUMAS, DANIEL B
; APPLICANT: WOOD, WILLIAM I.
; TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
; FILE REFERENCE: P1134R2 REVISED
; CURRENT APPLICATION NUMBER: US/09/157,289E
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: US 60/059,288
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: US 60/094,640
; NUMBER OF SEQ ID NOS: 18
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-157-289E-1
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Query Match 100.0%; Score 1634; DB 15; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTYPWMDAETGERLVCAQCPTGTFVOR 60
      |||||||
Db 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTYPWMDAETGERLVCAQCPTGTFVOR 60
```

```
OY 61 PCRRDPTTCGCPPPRHYYTQFWNYLERCRCNVLCGEREEBARACHATHNACRCRTGFF 120
    |||||||
Db 61 PCRRDPTTCGCPPPRHYYTQFWNYLERCRCNVLCGEREEBARACHATHNACRCRTGFF 120
OY 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPCPGTFSASSSSSECCOPHRNCTALGLA 180
    |||||||
Db 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPCPGTFSASSSSSECCOPHRNCTALGLA 180
OY 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
    |||||||
Db 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
OY 241 GWGPTPRAGRAALQDKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREPLPVH 300
    |||||||
Db 241 GWGPTPRAGRAALQDKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREPLPVH 300
```

RESULT 8

```
US-09-280-567-2
; Sequence 2, Application US/09280567
; GENERAL INFORMATION:
; APPLICANT: BUMOL, Thomas Frank
; APPLICANT: DOU, Shenshen
; APPLICANT: GLASERBROCK, Andrew Lawrence
; APPLICANT: GOULD, Kenneth Elliot
; APPLICANT: HEUER, Josef Georg
; APPLICANT: HUI, Kwan Yux
; APPLICANT: KHARITONENKOV, Alexei
; APPLICANT: NA, Songqing
; APPLICANT: NOBILIT, Timothy Wayne
; APPLICANT: REIDY, Charles Arthur
; APPLICANT: SONG, Ho Yeong
; APPLICANT: WANG, Jian
; APPLICANT: WU, Xiyang
; APPLICANT: ZUCKERMAN, Steven Harold
; TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF MFLINT POLYPEPTIDES
; FILE REFERENCE: 040902/0136
; CURRENT APPLICATION NUMBER: US/09/280,567
; CURRENT FILING DATE: 1999-03-30
; EARLIER APPLICATION NUMBER: US 60/113,407
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: US 60/112,933
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,703
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,577
; EARLIER FILING DATE: 1998-12-17
; EARLIER APPLICATION NUMBER: US 60/099,643
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: US 60/086,074
; EARLIER FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: US 60/079,856
; EARLIER FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-280-567-2
```

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Query Match 100.0%; Score 1634; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
OY 1 MRALEGGSLILCLVLLPALLPPAVRGVAETPTYPMDAETGERLVCAQCPCPGTFVOR 60
    |||||||
Db 1 MRALEGGSLILCLVLLPALLPPAVRGVAETPTYPMDAETGERLVCAQCPCPGTFVOR 60
```

```
OY 61 PCRRDPTTCGCPPPRHYYTQFWNYLERCRCNVLCGEREEBARACHATHNACRCRTGFF 120
    |||||||
Db 61 PCRRDPTTCGCPPPRHYYTQFWNYLERCRCNVLCGEREEBARACHATHNACRCRTGFF 120
OY 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPCPGTFSASSSSSECCOPHRNCTALGLA 180
    |||||||
Db 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPCPGTFSASSSSSECCOPHRNCTALGLA 180
OY 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
    |||||||
Db 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
OY 241 GWGPTPRAGRAALQDKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREPLPVH 300
    |||||||
Db 241 GWGPTPRAGRAALQDKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREPLPVH 300
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RESULT 9

```
US-09-280-567-2
; Sequence 2, Application US/09280567A
; GENERAL INFORMATION:
; APPLICANT: BUMOL, Thomas Frank
; APPLICANT: DOU, Shenshen
; APPLICANT: GLASERBROCK, Andrew Lawrence
; APPLICANT: GOULD, Kenneth Elliot
; APPLICANT: HEUER, Josef Georg
; APPLICANT: HUI, Kwan Yux
; APPLICANT: KHARITONENKOV, Alexei
; APPLICANT: NA, Songqing
; APPLICANT: NOBILIT, Timothy Wayne
; APPLICANT: REIDY, Charles Arthur
; APPLICANT: SONG, Ho Yeong
; APPLICANT: WANG, Jian
; APPLICANT: WU, Xiyang
; APPLICANT: ZUCKERMAN, Steven Harold
; TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF MFLINT POLYPEPTIDES
; FILE REFERENCE: 040902/0136
; CURRENT APPLICATION NUMBER: US/09/280,567A
; CURRENT FILING DATE: 1999-03-30
; EARLIER APPLICATION NUMBER: US 60/113,407
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: US 60/112,933
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,703
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,577
; EARLIER FILING DATE: 1998-12-17
; EARLIER APPLICATION NUMBER: US 60/099,643
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: US 60/086,074
; EARLIER FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: US 60/079,856
; EARLIER FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-280-567-2
```

```
Query Match 100.0%; Score 1634; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY 1 MRALEGGSLILCLVLLPALLPPAVRGVAETPTYPMDAETGERLVCAQCPCPGTFVOR 60
    |||||||
Db 1 MRALEGGSLILCLVLLPALLPPAVRGVAETPTYPMDAETGERLVCAQCPCPGTFVOR 60
OY 61 PCRRDPTTCGCPPPRHYYTQFWNYLERCRCNVLCGEREEBARACHATHNACRCRTGFF 120
```



```

DB 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATINRACRGTGFF 120
QY 121 AHAGFLEHASCPGAGVIAPGTPSONTOCCPCPGTFSASSSSSEOCOPHRNCTALGIA 180
DB 121 AHAGFLEHASCPGAGVIAPGTPSONTOCCPCPGTFSASSSSSEOCOPHRNCTALGIA 180
QY 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
QY 241 GWCPTPRAGRALQQLKRRRLTELLGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300
DB 241 GWCPTPRAGRALQQLKRRRLTELLGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300

```

RESULT 10
US-09-280-567-2
Sequence 2, Application US/09280567B

```

GENERAL INFORMATION:
APPLICANT: BUMOL, Thomas Frank
APPLICANT: DOU, Sheanshen
APPLICANT: GLASBROOK, Andrew Lawrence
APPLICANT: GOULD, Kenneth Elliott
APPLICANT: HALE, John Edward
APPLICANT: HEUER, Josef Georg
APPLICANT: HUI, Kwan Yuk
APPLICANT: KHARITONENKOV, Alexei
APPLICANT: MIZRAHI, Jacques
APPLICANT: NA, Songqing
APPLICANT: NOBLITT, Timothy Wayne
APPLICANT: REIDY, Charles Arthur
APPLICANT: SONG, Ho Yeong
APPLICANT: WANG, Jian
APPLICANT: WU, Xiyang
APPLICANT: ZUCKERMAN, Steven Harold
TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF MELINT POLYPEPTIDES
FILE REFERENCE: 040902/0136
CURRENT APPLICATION NUMBER: US/09/280,567B
CURRENT FILING DATE: 1999-03-30
EARLIER APPLICATION NUMBER: US 60/113,407
EARLIER FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: US 60/112,933
EARLIER FILING DATE: 1998-12-18
EARLIER APPLICATION NUMBER: US 60/112,703
EARLIER FILING DATE: 1998-12-18
EARLIER APPLICATION NUMBER: US 60/112,577
EARLIER FILING DATE: 1998-12-17
EARLIER APPLICATION NUMBER: US 60/099,643
EARLIER FILING DATE: 1998-09-09
EARLIER APPLICATION NUMBER: US 60/086,074
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 60/079,856
EARLIER FILING DATE: 1998-03-30
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-280-567-2

```

Query Match 100.0%; Score 1634; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 7.6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MRALBSPGLSLCLVIALPALPVPVAVGVAETPTYPMDAETGERLVCAOCPGTFVOR 60
DB 1 MRALBSPGLSLCLVIALPALPVPVAVGVAETPTYPMDAETGERLVCAOCPGTFVOR 60
QY 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATINRACRGTGFF 120

```

```

DB 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATINRACRGTGFF 120
QY 121 AHAGFLEHASCPGAGVIAPGTPSONTOCCPCPGTFSASSSSSEOCOPHRNCTALGIA 180
DB 121 AHAGFLEHASCPGAGVIAPGTPSONTOCCPCPGTFSASSSSSEOCOPHRNCTALGIA 180
QY 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
QY 241 GWCPTPRAGRALQQLKRRRLTELLGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300
DB 241 GWCPTPRAGRALQQLKRRRLTELLGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300

```

RESULT 11
US-09-421-838-2
Sequence 2, Application US/09421838

```

GENERAL INFORMATION:
APPLICANT: Cohen, Fredrick J.
APPLICANT: Weida, Daniel
TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF FLINT POLYPEPTIDES
FILE REFERENCE: X-12915A
CURRENT APPLICATION NUMBER: US/09/421,838
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/280,567
EARLIER FILING DATE: 1999-03-30
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-421-838-2

```

Query Match 100.0%; Score 1634; DB 18; Length 300;
Best Local Similarity 100.0%; Pred. No. 7.6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MRALBSPGLSLCLVIALPALPVPVAVGVAETPTYPMDAETGERLVCAOCPGTFVOR 60
DB 1 MRALBSPGLSLCLVIALPALPVPVAVGVAETPTYPMDAETGERLVCAOCPGTFVOR 60
QY 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATINRACRGTGFF 120
DB 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATINRACRGTGFF 120
QY 121 AHAGFLEHASCPGAGVIAPGTPSONTOCCPCPGTFSASSSSSEOCOPHRNCTALGIA 180
DB 121 AHAGFLEHASCPGAGVIAPGTPSONTOCCPCPGTFSASSSSSEOCOPHRNCTALGIA 180
QY 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
QY 241 GWCPTPRAGRALQQLKRRRLTELLGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300
DB 241 GWCPTPRAGRALQQLKRRRLTELLGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300

```

RESULT 12
US-09-455-691-2
Sequence 2, Application US/09455691

```

GENERAL INFORMATION:
APPLICANT: Song, Ho Yeong
APPLICANT: Su, Eric Wen
TITLE OF INVENTION: FLINT Compositions and Uses Thereof
CURRENT APPLICATION NUMBER: US/09/455,691
CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0

```

SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-455-691-2

Query Match 100.0%; Score 1634; DB 18; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
DB 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
QY 61 PCRDSPPTGCPCPRHRYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
DB 61 PCRDSPPTGCPCPRHRYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
QY 121 AHAGFCLEHASCPPGAGVIAPGTPSONTQCCPCPGTFSSASSSSSECCOPHRNCTALGLA 180
DB 121 AHAGFCLEHASCPPGAGVIAPGTPSONTQCCPCPGTFSSASSSSSECCOPHRNCTALGLA 180
QY 121 LNVGSSSHDTLCTSCGFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALFAPE 240
DB 181 LNVGSSSHDTLCTSCGFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALFAPE 240
QY 241 GWGTPPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300
DB 241 GWGTPPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300

RESULT 13
US-09-518-931-2
Sequence 2, Application US/09518931
GENERAL INFORMATION:
APPLICANT: Gentz, Reinert
TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
FILE REFERENCE: P454P1
CURRENT APPLICATION NUMBER: US/09/518,931
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: 09/006,352
PRIOR FILING DATE: 1998-01-13
PRIOR APPLICATION NUMBER: 60/121,774
PRIOR FILING DATE: 1999-03-04
PRIOR APPLICATION NUMBER: 60/124,092
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/131,279
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,964
PRIOR FILING DATE: 1999-04-30
PRIOR APPLICATION NUMBER: 60/146,371
PRIOR FILING DATE: 1999-08-02
PRIOR APPLICATION NUMBER: 60/168,235
PRIOR FILING DATE: 1999-12-01
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-518-931-2

Query Match 100.0%; Score 1634; DB 19; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
DB 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
QY 61 PCRDSPPTGCPCPRHRYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120

DB 61 PCRDSPPTGCPCPRHRYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
QY 121 AHAGFCLEHASCPPGAGVIAPGTPSONTQCCPCPGTFSSASSSSSECCOPHRNCTALGLA 180
DB 121 AHAGFCLEHASCPPGAGVIAPGTPSONTQCCPCPGTFSSASSSSSECCOPHRNCTALGLA 180
QY 181 LNVGSSSHDTLCTSCGFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALFAPE 240
DB 181 LNVGSSSHDTLCTSCGFPLSTRVPGAEECEERAVIDFVAFODISIKRLQRLQALFAPE 240
QY 241 GWGTPPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300
DB 241 GWGTPPRAGRAALQKLRRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300

RESULT 14
US-09-523-323-52
Sequence 52, Application US/09523323
GENERAL INFORMATION:
APPLICANT: Ebner, Reinhard
APPLICANT: Yu, Guo-Liang
APPLICANT: Ruben, Steven M.
APPLICANT: Ullrich, Stephen
TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use
FILE REFERENCE: 1488,065000C
CURRENT APPLICATION NUMBER: US/09/523,323
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/168,380
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: 60/148,326
PRIOR FILING DATE: 1999-08-11
PRIOR APPLICATION NUMBER: 60/142,657
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/137,457
PRIOR FILING DATE: 1999-06-04
PRIOR APPLICATION NUMBER: 60/124,041
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: 09/252,656
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: 60/075,409
PRIOR FILING DATE: 1998-02-20
PRIOR APPLICATION NUMBER: 09/027,287
PRIOR FILING DATE: 1998-02-20
PRIOR APPLICATION NUMBER: 09/003,886
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: 08/822,953
PRIOR FILING DATE: 1997-03-21
PRIOR APPLICATION NUMBER: 60/013,923
PRIOR FILING DATE: 1996-03-22
PRIOR APPLICATION NUMBER: 60/030,157
PRIOR FILING DATE: 1996-10-31
NUMBER OF SEQ ID NOS: 70
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 52
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-523-323-52

Query Match 100.0%; Score 1634; DB 19; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
DB 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
QY 61 PCRDSPPTGCPCPRHRYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
DB 61 PCRDSPPTGCPCPRHRYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120

OY 121 AHAGFCLFHHASCPGAGVIAAGTSONTOCQPCPPGTFSSSSSSSEOCOPHRNCTALGLA 180
 DB 121 AHAGFCLFHHASCPGAGVIAAGTSONTOCQPCPPGTFSSSSSSSEOCOPHRNCTALGLA 180
 OY 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLQRLQALEAPE 240
 DB 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLQRLQALEAPE 240
 OY 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERLPAH 300
 DB 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERLPAH 300

RESULT 15

US-60-137-457-52
 ; Sequence 52, Application US/60137457
 ; GENERAL INFORMATION:
 ; APPLICANT: Edner, Reinhard
 ; APPLICANT: Yu, Guo-Liang
 ; APPLICANT: Ruben, Steven M.
 ; APPLICANT: Zhang, Jun
 ; APPLICANT: Ullrich, Stephen
 ; APPLICANT: Zhai, Yifan
 ; TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use
 ; FILE REFERENCE: 1488.0650008
 ; CURRENT APPLICATION NUMBER: US/60/137,457
 ; CURRENT FILING DATE: 1999-06-04
 ; NUMBER OF SEQ ID NOS: 61
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 52
 ; LENGTH: 300
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-60-137-457-52

Query Match 100.0%; Score 1634; DB 23; Length 300;
 Best Local Similarity 100.0%; Pred. No. 7, 6e-120;
 Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MRALGPGSLSLCLVIALPALPVPVAVRGVAETPTYPWRDAETGERLVCAQCPPTGVQR 60
 DB 1 MRALGPGSLSLCLVIALPALPVPVAVRGVAETPTYPWRDAETGERLVCAQCPPTGVQR 60
 OY 61 PCRDSPTTCGPPPHRYTFWNYLERRCYNVLCGEREEARACHATNHRACRCRTGEF 120
 DB 61 PCRDSPTTCGPPPHRYTFWNYLERRCYNVLCGEREEARACHATNHRACRCRTGEF 120
 OY 121 AHAGFCLFHHASCPGAGVIAAGTSONTOCQPCPPGTFSSSSSSSEOCOPHRNCTALGLA 180
 DB 121 AHAGFCLFHHASCPGAGVIAAGTSONTOCQPCPPGTFSSSSSSSEOCOPHRNCTALGLA 180
 OY 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLQRLQALEAPE 240
 DB 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLQRLQALEAPE 240
 OY 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERLPAH 300
 DB 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERLPAH 300

Search completed: May 23, 2001, 16:05:17
 Job time: 690 sec

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CURRENT FILING DATE: 2001-04-18

```

      :
      :
      :   LENGTH: 1704
      :   TYPE: PRT
      : ORGANISM: Homo sapiens
US-08-706-945B-133

```

| | | | | |
|-----------------------|--------|--------------------|-------|----------------|
| Query Match | 24.1%; | Score 394; | DB 4; | Length 174; |
| Best Local Similarity | 44.6%; | Pred. No. 1.3e-24; | | |
| Matches | 66; | Conservative | 23; | Mismatches 59; |
| | | | | Indels 0; |
| | | | | Gaps 0 |

[illegible]

```

RESULT 3
US-08-706-945B-139
: Sequence 139, Application US/08706945B
: GENERAL INFORMATION:
: APPLICANT: Boyle, William
: APPLICANT: Lacey, David
: APPLICANT: Calzone, Frank
: APPLICANT: Chang, Ming-Shi
: TITLE OF INVENTION: Osteoprotegerin
: FILE REFERENCE: A-378CIP
: CURRENT APPLICATION NUMBER: US/08/706,945B
: CURRENT FILING DATE: 2001-04-18
: PRIOR APPLICATION NUMBER: 08/577,788
: PRIOR FILING DATE: 1995-12-22
: NUMBER OF SEQ ID NOS: 142
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 139
: LENGTH: 364
: TYPE: PRT
: ORGANISM: Mus musculus
US-08-706-945B-139

```

| | | | | |
|--------------------------|-------|-------------------|-----------|------------|
| Query Match | 23.6% | Score 385.5 | DB 4 | Length 364 |
| Best Local Similarity | 38.0% | Pred. No. 1.4e-23 | | |
| Matches 71; Conservative | 27 | Mismatches 68 | Indels 21 | Gaps 3 |

```
QY 34 PTYWMRAEIGERLYACQACSPRGTTVQAPCRKRDSTTGGPPRPRIYTOFNMYLERGRICNV 93
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 5 PKYLAHYEETSHOILCKPCRGTYLKHONCAKMKWTYVACPDPNHYDTSWTSDCELTCSYP 64
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 94 ICGEREAEACHTNHRACRCRGRFAHNGFCLEHNACSPGAGVLAHGRPSQNTQOQPC 153
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 65 VKELQYVAKCEMNTNHRVCECKEGRYLETEFCLKHNSCPRGVGVQAGIPERTNYVKRC 1244
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 154 PRGFSSASSSEQCCPHRNCOTALGLNLVPGSSSHPTLTSCGFPGLSTRVGAEB -C 2111
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 125 PDGFFSNETSISKAPCRKHTN-----DNT---CSGNEESTQKCGIDVTLIC 1655
```

| | | | |
|----|-----|---------|-----|
| QY | 212 | ERAVIDF | 218 |
| | | | |
| | | | |
| Db | 166 | EAAFFRF | 172 |

RESULT 4

```

US-08-706-945B-138
? Sequence 138, Application US/08706945B
? GENERAL INFORMATION:
? APPLICANT: Boyle, William
? APPLICANT: Lacey, David
? APPLICANT: Calzone, Frank
? APPLICANT: Chang, Ming-Shi
? TITLE OR INVENTION: Osteoprotegerin
? FILE REFERENCE: A-378CIP
? CURRENT APPLICATION NUMBER: US/08/706,945B
? PRIOR FILING DATE: 2001-04-18
? PRIOR APPLICATION NUMBER: 08/577,788
? PRIOR FILING DATE: 1995-12-22
? NUMBER OF SEQ ID NOS: 142
? SOFTWARE: PatentIn version 3.0
? SEQ ID NO 138
? LENGTH: 364
? TYPE: PRP
? ORGANISM: Homo sapiens
US-08-706-945B-138
```

| | | | | |
|--------------------------|-------|-----------------|------|-------------------|
| Query Match | 22.9% | Score 374.5 | DB 4 | Length 364 |
| Best Local Similarity | 36.6% | Pred. No. 1e-22 | | |
| Matches 75, Conservative | 28 | Mismatches | 81 | Indels 21, Gaps 3 |

[illegible]

```

1 RESULT 5
2
3 ; US-08-706-945B-127
4 ; Sequence 127, Application US/08706945B
5 ;
6 ; GENERAL INFORMATION:
7 ;
8 ; APPLICANT: Boyle, William
9 ;
10 ; APPLICANT: Lacey, David
11 ;
12 ; APPLICANT: Calzone, Frank
13 ;
14 ; APPLICANT: Chang, Ming-Shi
15 ;
16 ; TITLE OF INVENTION: Osteoprotegerin
17 ;
18 ; FILE REFERENCE: A-378CIP
19 ;
20 ; CURRENT APPLICATION NUMBER: US/08/706,945B
21 ;
22 ; CURRENT FILING DATE: 2001-04-18
23 ;
24 ; PRIOR APPLICATION NUMBER: 08/577,788
25 ;
26 ; PRIOR FILING DATE: 1995-12-22
27 ;
28 ; NUMBER OF SEQ ID NOS: 142
29 ;
30 ; SOFTWARE: PatentIn version 3.0
31 ;
32 ; SEQ ID NO 127
33 ;
34 ; LENGTH: 139
35 ;
36 ; TYPE: PR1
37 ;
38 ; ORGANISM: Homo sapiens
39 ;
40 ; US-08-706-945B-127

```

| | | | | |
|-----------------------|-----------------|---------------|----------|------------|
| Query Match | 22.8% | Score 373 | DB 4 | Length 139 |
| Best Local Similarity | 43.5% | Pred. No. 4 | 6e-23 | |
| Matches 60 | Conservative 23 | Mismatches 55 | Indels 0 | Gaps 0 |

OY 34 PYYWRDAETGERLVAQCCPRGFFVQRPCRDRSPITTCGRCPPRHNYTQEWNYLEKRYCNV 93
| | | : : : | | | : : | | | : : | | :
Db 2 PKILHYDEEISHQLCDKCPRGTYLKQHCTAKWKITVCAPCRPHYYTDSMHTSDECLYCSP 61

QY 94 LCGEREERACHATHNRACRGTGFFAHAGFLEHASCPRGAGVIAPGTPSONTOCOPC 153
DB 62 VCELEOYVAKOECRTNHRVCECKEGRYLEIEFLKHSRCPGPGVQAGTPERNITVCKRC 121
QY 154 PGCTFSASSSSSEOCOPH 171
DB 122 PDGFFSNETSCKAPCRKH 139

RESULT 6
US-09-826-212-4
Sequence 4, Application US/09826212
GENERAL INFORMATION:
APPLICANT: Wei, Ying-Pei
APPLICANT: Gentz, Reiner
APPLICANT: Ruben, Steven
APPLICANT: Ni, Jian
TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
FILE REFERENCE: 1488.1280006
CURRENT APPLICATION NUMBER: US/09/826, 212
CURRENT FILING DATE: 2001-04-05
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4
LENGTH: 461
TYPE: PRT
ORGANISM: Homo sapiens
US-09-826-212-4

Query Match 21.6%; Score 353.5; DB 5; Length 461;

Best Local Similarity 29.8%; Pred. No. 5.7e-21;
Matches 96; Conservative 43; Mismatches 122; Indels 61; Gaps 12;

QY 8 GLSLICLVIALPALPVPAYGVAETPTYPWRDAETGE-----RLVCAOCPPG 55
DB 13 GLELMAAHLPA-----QVAFTPYAP---EPGSTCLREYYDQTQMCCSKCSPG 60
QY 56 TFVQRCRDRSDPTTCGPRPHHTQFWNLYLERCRYCNVLCGEEREERACHATHNRACRC 115
DB 61 QHAKVCTKTSIDVDCSCEBSTDYTOLMNVPECLSCGSRSSDQVETQACTRBNRITCTC 120
QY 116 RTGEFAHAG-----FCLHASCPRGAGVIAPGTPSONTOCOPCPGTFSSASSSSPQC 169
DB 121 RFGWYCALSKQECRCALPKRCRPGFVARPGETSDVYCKFCACPGTFSNTSSDIDCR 180
QY 170 PHRNCALGLALNVPSSSHDITCTGCTGFPPLSTRVPGAEECEERAVIDFAFODISIKRL 229
DB 181 PHQICNVVA-----IPGNASDAVCTSTS--PTRSMAPGAHLRQPV-----STRSQHT 227
QY 230 QRLQALEAPE-----GWCPTPRA-----GRAIQLKLRRLTELLGAQDALLVRLLOAL 280
DB 228 QPPEESTAPSTSFLLPMGSPPAEGSTGDFALPVLGIVGTAL-----GLLIIGVNCV 282
QY 281 ---RVARMP-GLEERSVREPLP 298
DB 283 IMTQVKKKPLCLQREAKVPHLP 304

RESULT 7
US-09-800-909-2
Sequence 2, Application US/09800909
GENERAL INFORMATION:
APPLICANT: WALLACH, David
APPLICANT: BIGDA, Jacek
APPLICANT: BELETSKY, Igor
APPLICANT: METT, Igor
APPLICANT: ENGELMANN, Hartmut
TITLE OF INVENTION: TNF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK

STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800, 909
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,862
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-12A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-800-909-2

Query Match 21.5%; Score 351.5; DB 5; Length 461;

Best Local Similarity 29.8%; Pred. No. 8.2e-21;
Matches 96; Conservative 43; Mismatches 122; Indels 61; Gaps 12;

QY 8 GLSLICLVIALPALPVPAYGVAETPTYPWRDAETGE-----RLVCAOCPPG 55
DB 13 GLELMAAHLPA-----QVAFTPYAP---EPGSTCLREYYDQTQMCCSKCSPG 60
QY 56 TFVQRCRDRSDPTTCGPRPHHTQFWNLYLERCRYCNVLCGEEREERACHATHNRACRC 115
DB 61 QHAKVCTKTSIDVDCSCEBSTDYTOLMNVPECLSCGSRSSDQVETQACTRBNRITCTC 120
QY 116 RTGEFAHAG-----FCLHASCPRGAGVIAPGTPSONTOCOPCPGTFSSASSSSPQC 169
DB 121 RFGWYCALSKQECRCALPKRCRPGFVARPGETSDVYCKFCACPGTFSNTSSDIDCR 180
QY 170 PHRNCALGLALNVPSSSHDITCTGCTGFPPLSTRVPGAEECEERAVIDFAFODISIKRL 229
DB 181 PHQICNVVA-----IPGNASDAVCTSTS--PTRSMAPGAHLRQPV-----STRSQHT 227
QY 230 QRLQALEAPE-----GWCPTPRA-----GRAIQLKLRRLTELLGAQDALLVRLLOAL 280
DB 228 QPPEESTAPSTSFLLPMGSPPAEGSTGDFALPVLGIVGTAL-----GLLIIGVNCV 282
QY 281 ---RVARMP-GLEERSVREPLP 298
DB 283 IMTQVKKKPLCLQREAKVPHLP 304

RESULT 8
US-08-706-945B-131

Sequence 131, Application US/08706945B
: GENERAL INFORMATION:
: APPLICANT: Boyle, William
: APPLICANT: Lacey, David
: APPLICANT: Calzone, Frank
: APPLICANT: Chang, Ming-Shi
: TITLE OF INVENTION: Osteoprotegerin
: FILE REFERENCE: A-378CIP
: CURRENT APPLICATION NUMBER: US/08/706,945B
: CURRENT FILING DATE: 2001-04-18
: PRIOR APPLICATION NUMBER: 08/577,788
: PRIOR FILING DATE: 1995-12-22
: NUMBER OF SEQ ID NOS: 142
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 131
: LENGTH: 227
: TYPE: PRT
: ORGANISM: Homo sapiens
US-08-706-945B-131

Query Match 21.2%; Score 346; DB 4; Length 227;
Best Local Similarity 33.8%; Pred. No. 1e-20;
Matches 74; Conservative 81; Indels 36; Gaps 6;

QY 8 GLSLCLVLPALLPVAVGVAETPTYPWRDAETGE-----RLVCAQCPG 55
DB 13 GLELMAAHLPA-----QVAFTPYAP-----EPGSTCRRLREYYDQTQAMCCKSPG 60
QY 56 TFVQRPGRDPTTCGPPRHYYQFMYLRCRCNVLCGEREAAACIATHRACRC 115
DB 61 QHAVFCTKTSIDVCDSCEDSTYQLMWVPECLSGSRCSDDVETQACTREQNRICTC 120
QY 116 RTGFEAHAG-----FCLFHASCPGAGVIAPGTPSONTOGCPGPTGSASSSSSECO 169
DB 121 RPYWCALSKQEGRLCAPLKRCPGEGVAPRGITSDVYCKPCAPGTFSTSTIDICR 180
QY 170 PHRNCTALGIALNVPSSSHDITLCTSGTFFPLSTRVPGA 208
DB 181 PHQICNVVA-----IPGNASRDVAVCTSTS--PTRSMAPGA 213

RESULT 9
US-09-458-338-14
: Sequence 14, Application US/09458338
: GENERAL INFORMATION:
: APPLICANT: Bowen, Michael A.
: APPLICANT: Siemers, Nathan
: TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRAI")
: FILE REFERENCE: DB16sequences
: CURRENT APPLICATION NUMBER: US/09/458,338
: CURRENT FILING DATE: 1999-12-10
: PRIOR APPLICATION NUMBER: 60/111,826
: PRIOR FILING DATE: 1998-12-11
: NUMBER OF SEQ ID NOS: 14
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 14
: LENGTH: 165
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-458-338-14

Query Match 19.7%; Score 322; DB 5; Length 165;
Best Local Similarity 35.9%; Pred. No. 5.4e-19;
Matches 56; Conservative 26; Mismatches 64; Indels 10; Gaps 2;

QY 46 RLVAQCPGTFVORPCRRDPTTCGPPRHYYQFMYLRCRCNVLCGEREAAAC 105
DB 14 QMCKSPGQHAHVFCITKTSIDVCDSCEDSTYQLMWVPECLSGSRCSDDVETQAC 73
QY 106 HATINRACRCCTGFEAHAG-----FCLFHASCPGAGVIAPGTPSONTOGCPGPTGS 159

DB 74 TREONRITCPRGYCALSKQEGRLCAPLKRCPGEGVAPRGITSDVYCKPCAPGTF 133
QY 160 ASSSSSECOQPHRNCTALGIALNVPSSSHDITLCTS 195
DB 134 NTSSTIDICRPHQICNVVA-----IPGNASRDVAVCTS 165

RESULT 10
US-09-800-909-4
: Sequence 4, Application US/09800909
: GENERAL INFORMATION:
: APPLICANT: WALLACH, David
: APPLICANT: BIGDA, Jack
: APPLICANT: BELETSKY, Igor
: APPLICANT: METT, Igor
: APPLICANT: ENGELMANN, Hartmut
: TITLE OF INVENTION: TNF INHIBITORS
: NUMBER OF SEQUENCES: 8
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: BROWDY AND NEIMARK
: STREET: 419 Seventh Street, N.W.
: CITY: Washington
: STATE: D.C.
: COUNTRY: USA
: ZIP: 20004
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/800,909
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/476,862
: FILING DATE:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: IL 94039
: FILING DATE: 06-APR-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: IL 91229
: FILING DATE: 06-AUG-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: IL 90339
: FILING DATE: 18-MAY-1989
: ATTORNEY/AGENT INFORMATION:
: NAME: BROWDY, Roger L.
: REGISTRATION NUMBER: 25,618
: REFERENCE/DOCKET NUMBER: WALLACH-12A
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-628-5197
: TELEPHONE: 202-628-5197
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 163 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
US-09-800-909-4

Query Match 19.5%; Score 318; DB 5; Length 163;
Best Local Similarity 35.5%; Pred. No. 1.1e-18;
Matches 55; Conservative 27; Mismatches 63; Indels 10; Gaps 2;

QY 46 RLVAQCPGTFVORPCRRDPTTCGPPRHYYQFMYLRCRCNVLCGEREAAAC 105
DB 13 QMCKSPGQHAHVFCITKTSIDVCDSCEDSTYQLMWVPECLSGSRCSDDVETQAC 72
QY 106 HATINRACRCCTGFEAHAG-----FCLFHASCPGAGVIAPGTPSONTOGCPGPTGS 159

Db 73 TREONRNICRCPGMYCALSKQEGRLCAPLRKCRPGFVARPGTETSDVYVCKPCAPGTF 132
Qy 160 ASSSSSEOCOPHRNCTALGLALNVPSSSHDTCT 194
Db 133 NTTSTDIRPHQICNVVA----IPGNASMDAVCT 163
RESULT 11
US-09-458-338-8
; Sequence 8, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-8

Query Match 17.6%; Score 287; DB 5; Length 310;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;
Qy 35 TYPMRDAETGERLVCAACCPGTGYORPCRDSPPTTCGCPPRHYTOFWNLERCRCYNVL 94
Db 12 TYRHVDATQVLTCDKCPAGTYVSEHCNTSLRVCSCEVGTFTRENGIERKCHDSOP 71
Qy 95 CGREERARACHATNHRACRGTGFFAHAGFCEHASCPRGAGVIAGTFSQNTQOCPCP 154
Db 72 CPMPIEKLPCALTDRECTCPGMPFOSNATCAPHTVCPGKGTETEDVRCKOCA 131
Qy 155 PGTFASASSSEOCOPHRNCTALGLALNVPSSSHDTCTSCGTGFP 203
Db 132 RGTFSVDPSSVMKCAKAYTDCLSONLVYIKPGTRETNDVNCGLTLPSSFSSST 180
RESULT 12
US-09-458-338-7
; Sequence 7, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 614
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-7

Query Match 17.6%; Score 287; DB 5; Length 614;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;
Qy 35 TYPMRDAETGERLVCAACCPGTGYORPCRDSPPTTCGCPPRHYTOFWNLERCRCYNVL 94
Db 12 TYRHVDATQVLTCDKCPAGTYVSEHCNTSLRVCSCEVGTFTRENGIERKCHDSOP 71

Qy 95 CGREERARACHATNHRACRGTGFFAHAGFCEHASCPRGAGVIAGTFSQNTQOCPCP 154
Db 72 CPMPIEKLPCALTDRECTCPGMPFOSNATCAPHTVCPGKGTETEDVRCKOCA 131
Qy 155 PGTFASASSSEOCOPHRNCTALGLALNVPSSSHDTCTSCGTGFP 203
Db 132 RGTFSVDPSSVMKCAKAYTDCLSONLVYIKPGTRETNDVNCGLTLPSSFSSST 180
RESULT 13
US-09-458-338-6
; Sequence 6, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-6

Query Match 17.6%; Score 287; DB 5; Length 631;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;
Qy 35 TYPMRDAETGERLVCAACCPGTGYORPCRDSPPTTCGCPPRHYTOFWNLERCRCYNVL 94
Db 29 TYRHVDATQVLTCDKCPAGTYVSEHCNTSLRVCSCEVGTFTRENGIERKCHDSOP 88
Qy 95 CGREERARACHATNHRACRGTGFFAHAGFCEHASCPRGAGVIAGTFSQNTQOCPCP 154
Db 89 CPMPIEKLPCALTDRECTCPGMPFOSNATCAPHTVCPGKGTETEDVRCKOCA 148
Qy 155 PGTFASASSSEOCOPHRNCTALGLALNVPSSSHDTCTSCGTGFP 203
Db 149 RGTFSVDPSSVMKCAKAYTDCLSONLVYIKPGTRETNDVNCGLTLPSSFSSST 197
RESULT 14
US-09-458-338-5
; Sequence 5, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-5

Query Match 17.6%; Score 287; DB 5; Length 655;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 16:05:41 ; Search time 19.57 Seconds

(without alignments)
166.880 Million cell updates/sec

Title: US-09-518-931-4

Perfect score: 170

Sequence: 1 MRALGPGSLCLVLALPA.....PRSGRRGNGVAGPSLAP 170

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Gapop 60.0 , Gapext 60.0

Searched: 185757 seqs, 19210857 residues

Word size : 6

Total number of hits satisfying chosen parameters: 92

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

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6: /cgn2_6/ptodata/2/1aa/6D.COMB.pep:*

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
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| 1 | 142 | 83.5 | 300 | 2 | US-08-794-796-2 |
| 2 | 8 | 4.7 | 1172 | 1 | US-08-313-288B-19 |
| 3 | 7 | 4.1 | 1611 | 2 | US-08-804-227C-5 |
| 4 | 6 | 3.5 | 9 | 2 | US-08-482-651-10 |
| 5 | 6 | 3.5 | 9 | 4 | US-08-660-092-13 |
| 6 | 6 | 3.5 | 70 | 4 | US-09-188-930-131 |
| 7 | 6 | 3.5 | 100 | 1 | US-08-473-981A-11 |
| 8 | 6 | 3.5 | 100 | 2 | US-08-474-087-11 |
| 9 | 6 | 3.5 | 126 | 4 | US-08-513-974B-28 |
| 10 | 6 | 3.5 | 135 | 2 | US-08-757-036-3 |
| 11 | 6 | 3.5 | 142 | 2 | US-08-164-292B-20 |
| 12 | 6 | 3.5 | 142 | 3 | US-08-845-623-20 |
| 13 | 6 | 3.5 | 142 | 3 | US-08-815-927-20 |
| 14 | 6 | 3.5 | 144 | 4 | US-08-513-974B-366 |
| 15 | 6 | 3.5 | 144 | 4 | US-08-513-974B-369 |
| 16 | 6 | 3.5 | 150 | 2 | US-08-851-188-1 |
| 17 | 6 | 3.5 | 150 | 2 | US-08-851-188-3 |
| 18 | 6 | 3.5 | 159 | 2 | US-08-851-188-4 |
| 19 | 6 | 3.5 | 180 | 2 | US-08-791-495-7 |
| 20 | 6 | 3.5 | 183 | 6 | 5168049-4 |
| 21 | 6 | 3.5 | 203 | 3 | US-09-106-182-3 |
| 22 | 6 | 3.5 | 206 | 4 | US-08-513-974B-27 |
| 23 | 6 | 3.5 | 210 | 2 | US-08-791-495-5 |
| 24 | 6 | 3.5 | 220 | 2 | US-08-840-683-8 |
| 25 | 6 | 3.5 | 223 | 4 | US-08-513-974B-315 |
| 26 | 6 | 3.5 | 223 | 4 | US-08-513-974B-364 |
| 27 | 6 | 3.5 | 223 | 4 | US-08-513-974B-368 |

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| 28 | 6 | 3.5 | 283 | 5 | PCT-US96-12374-2 | Sequence 2, Appl1 |
| 29 | 6 | 3.5 | 287 | 1 | US-07-971-092-2 | Sequence 2, Appl1 |
| 30 | 6 | 3.5 | 287 | 6 | 5198342-2 | Patent No. 5198342 |
| 31 | 6 | 3.5 | 317 | 2 | US-08-555-722-8 | Sequence 8, Appl1 |
| 32 | 6 | 3.5 | 346 | 2 | US-08-602-359A-34 | Sequence 34, Appl1 |
| 33 | 6 | 3.5 | 370 | 4 | US-08-513-974B-26 | Sequence 26, Appl1 |
| 34 | 6 | 3.5 | 370 | 4 | US-08-513-974B-323 | Sequence 323, App |
| 35 | 6 | 3.5 | 370 | 4 | US-09-172-353-2 | Sequence 2, Appl1 |
| 36 | 6 | 3.5 | 370 | 4 | US-09-172-353-3 | Sequence 3, Appl1 |
| 37 | 6 | 3.5 | 370 | 4 | US-09-172-353-5 | Sequence 5, Appl1 |
| 38 | 6 | 3.5 | 370 | 4 | US-09-172-353-7 | Sequence 7, Appl1 |
| 39 | 6 | 3.5 | 414 | 4 | US-09-067-626-4 | Sequence 4, Appl1 |
| 40 | 6 | 3.5 | 427 | 3 | US-08-448-722A-4 | Sequence 4, Appl1 |
| 41 | 6 | 3.5 | 434 | 3 | US-09-012-072-4 | Sequence 4, Appl1 |
| 42 | 6 | 3.5 | 434 | 3 | US-09-120-601-4 | Sequence 4, Appl1 |
| 43 | 6 | 3.5 | 437 | 3 | US-09-073-569-2 | Sequence 2, Appl1 |
| 44 | 6 | 3.5 | 448 | 4 | US-09-120-601-6 | Sequence 6, Appl1 |
| 45 | 6 | 3.5 | 457 | 6 | 5268463-7 | Patent No. 5268463 |
| 46 | 6 | 3.5 | 480 | 2 | US-08-425-989B-11 | Sequence 11, Appl1 |
| 47 | 6 | 3.5 | 498 | 5 | PCT-US94-01101-2 | Sequence 2, Appl1 |
| 48 | 6 | 3.5 | 531 | 2 | US-08-789-078-3 | Sequence 3, Appl1 |
| 49 | 6 | 3.5 | 531 | 2 | US-08-752-633-3 | Sequence 3, Appl1 |
| 50 | 6 | 3.5 | 531 | 5 | PCT-US95-04886-3 | Sequence 3, Appl1 |
| 51 | 6 | 3.5 | 532 | 1 | US-07-618-286-1 | Sequence 1, Appl1 |
| 52 | 6 | 3.5 | 532 | 1 | US-08-195-003-3 | Sequence 3, Appl1 |
| 53 | 6 | 3.5 | 532 | 2 | US-08-483-389-118 | Sequence 118, App |
| 54 | 6 | 3.5 | 532 | 2 | US-08-689-870-12 | Sequence 12, Appl1 |
| 55 | 6 | 3.5 | 532 | 3 | US-08-933-824-3 | Sequence 3, Appl1 |
| 56 | 6 | 3.5 | 532 | 6 | 5284931-2 | Patent No. 5284931 |
| 57 | 6 | 3.5 | 554 | 1 | US-08-106-761-2 | Sequence 2, Appl1 |
| 58 | 6 | 3.5 | 587 | 1 | US-08-398-008A-23 | Sequence 23, Appl1 |
| 59 | 6 | 3.5 | 587 | 2 | US-07-955-905A-23 | Sequence 2, Appl1 |
| 60 | 6 | 3.5 | 587 | 2 | US-08-893-333-2 | Sequence 2, Appl1 |
| 61 | 6 | 3.5 | 589 | 2 | US-08-453-848-13 | Sequence 13, Appl1 |
| 62 | 6 | 3.5 | 594 | 2 | US-08-785-310A-6 | Sequence 6, Appl1 |
| 63 | 6 | 3.5 | 751 | 2 | US-08-836-443-3 | Sequence 3, Appl1 |
| 64 | 6 | 3.5 | 809 | 5 | PCT-US91-01726-3 | Sequence 3, Appl1 |
| 65 | 6 | 3.5 | 899 | 1 | US-08-365-689-2 | Sequence 2, Appl1 |
| 66 | 6 | 3.5 | 899 | 1 | US-08-145-188A-2 | Sequence 2, Appl1 |
| 67 | 6 | 3.5 | 933 | 1 | US-07-747-781-2 | Sequence 2, Appl1 |
| 68 | 6 | 3.5 | 933 | 5 | PCT-US92-06888-2 | Sequence 2, Appl1 |
| 69 | 6 | 3.5 | 983 | 2 | US-08-164-292B-26 | Sequence 26, Appl1 |
| 70 | 6 | 3.5 | 983 | 3 | US-08-845-623-26 | Sequence 26, Appl1 |
| 71 | 6 | 3.5 | 983 | 3 | US-08-815-927-26 | Sequence 26, Appl1 |
| 72 | 6 | 3.5 | 1011 | 4 | US-08-836-325-2 | Sequence 2, Appl1 |
| 73 | 6 | 3.5 | 1248 | 4 | US-08-882-046-6 | Sequence 6, Appl1 |
| 74 | 6 | 3.5 | 1294 | 2 | US-08-819-288-3 | Sequence 3, Appl1 |
| 75 | 6 | 3.5 | 1296 | 3 | US-08-728-603-15 | Sequence 15, Appl1 |
| 76 | 6 | 3.5 | 1321 | 1 | US-08-261-882A-3 | Sequence 3, Appl1 |
| 77 | 6 | 3.5 | 1321 | 5 | PCT-US95-07744A-3 | Sequence 3, Appl1 |
| 78 | 6 | 3.5 | 1375 | 3 | US-08-665-259-26 | Sequence 26, Appl1 |
| 79 | 6 | 3.5 | 1375 | 3 | US-08-762-500-26 | Sequence 26, Appl1 |
| 80 | 6 | 3.5 | 1410 | 4 | US-09-335-409-3 | Sequence 3, Appl1 |
| 81 | 6 | 3.5 | 1503 | 4 | US-08-976-255-14 | Sequence 14, Appl1 |
| 82 | 6 | 3.5 | 1835 | 4 | US-08-836-325-15 | Sequence 15, Appl1 |
| 83 | 6 | 3.5 | 1835 | 4 | US-08-836-325-16 | Sequence 16, Appl1 |
| 84 | 6 | 3.5 | 1964 | 4 | US-08-836-325-10 | Sequence 10, Appl1 |
| 85 | 6 | 3.5 | 1989 | 4 | US-08-836-325-11 | Sequence 11, Appl1 |
| 86 | 6 | 3.5 | 1989 | 4 | US-08-836-325-12 | Sequence 12, Appl1 |
| 87 | 6 | 3.5 | 1996 | 2 | US-08-804-227C-9 | Sequence 9, Appl1 |
| 88 | 6 | 3.5 | 1996 | 2 | US-08-804-198-3 | Sequence 3, Appl1 |
| 89 | 6 | 3.5 | 2647 | 2 | US-08-583-562B-8 | Sequence 8, Appl1 |
| 90 | 6 | 3.5 | 2647 | 2 | US-08-779-113-8 | Sequence 8, Appl1 |
| 91 | 6 | 3.5 | 3033 | 1 | US-07-923-695-8 | Sequence 8, Appl1 |
| 92 | 6 | 3.5 | 3033 | 1 | US-07-923-695-9 | Sequence 9, Appl1 |

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796

Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2

Query Match 83.5%; Score 142; DB 2; Length 300;
Best Local Similarity 100.0%; Pred. No. 5 8e-126;
Matches 142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 PCRDSPTTGGPCPPRRYITGFWMYLERGCNVLCGRREEARCATHRACRCRTGFF 120
DB 61 PCRDSPTTGGPCPPRRYITGFWMYLERGCNVLCGRREEARCATHRACRCRTGFF 120

QY 121 AHAGFCLHASCPPGAGVIAPG 142
DB 121 AHAGFCLHASCPPGAGVIAPG 142

RESULT 2
US-08-313-288B-19
Sequence 19, Application US/08313288B
Patent No. 5750502
GENERAL INFORMATION:
APPLICANT: Jessell, Thomas M. and Avihu Klar
TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,288B
FILING DATE: January 5, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
TELEX:
INFORMATION FOR SEQ. ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1172 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-313-288B-19

Query Match 4.7%; Score 8; DB 1; Length 1172;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 ALEGGSLG 10
DB 102 ALEGGSLG 109

RESULT 3
US-08-804-227C-5
Sequence 5, Application US/08804227C
Patent No. 5876991
GENERAL INFORMATION:
APPLICANT: Dehoff, Bradley S.
APPLICANT: Kuhstoss, Stuart A.
APPLICANT: Kosteck, Paul R., Jr.
APPLICANT: Sutton, Kimberly L.
TITLE OF INVENTION: POLYPEPTIDE SYNTHASE GENES
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: THOMAS G. PLANT 1501
STREET: LILLY CORPORATE CENTER
CITY: INDIANAPOLIS
STATE: IN
COUNTRY: USA
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII(DOS) Text only
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/804,227C
FILING DATE: February 21, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-8231

TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2459
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1611 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-804-227C-5

Query Match 4.1%; Score 7; DB 2; Length 1611;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 REEARA 104
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DB 1516 REEARA 1522

RESULT 4
US-08-482-651-10
Sequence 10, Application US/08482651
Patent No. 5874409
GENERAL INFORMATION:
APPLICANT: VICTORIA, Edward J.
APPLICANT: Margulis, David M.
TITLE OF INVENTION: APL IMMUNOREACTIVE PEPTIDES, CONUGATES
TITLE OF INVENTION: THEREOF AND METHODS OF TREATMENT FOR APL ANTIBODY-MEDIATED
NUMBER OF SEQUENCES: 62
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,651
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Park, Freddie K.
REGISTRATION NUMBER: 35,636
REFERENCE/DOCKET NUMBER: 25231-20061.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: xyz (details pg. 16)
CLONE: 3B6
US-08-482-651-10

Query Match 3.5%; Score 6; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 CLVAL 6

RESULT 5
US-08-660-092-13
Sequence 13, Application US/08660092
Patent No. 6207160
GENERAL INFORMATION:
APPLICANT: VICTORIA, Edward J.
APPLICANT: Margulis, David M.
APPLICANT: Jones, David S.
APPLICANT: Yu, Lin
TITLE OF INVENTION: APL IMMUNOREACTIVE PEPTIDES, CONUGATES
TITLE OF INVENTION: THEREOF AND METHODS OF TREATMENT FOR APL ANTIBODY-MEDIATED
NUMBER OF SEQUENCES: 216
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,092
FILING DATE: 06-JUN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Park, Freddie K.
REGISTRATION NUMBER: 35,636
REFERENCE/DOCKET NUMBER: 25231-20061.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: xyz (details pg. 16)
CLONE: 3B6
US-08-660-092-13

Query Match 3.5%; Score 6; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 13 CLVAL 18
|||||
DB 1 CLVAL 6

RESULT 6
US-09-188-930-131
Sequence 131, Application US/09188930A
Patent No. 6150502
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Onrust, Rene
APPLICANT: Murison, James Greg
TITLE OF INVENTION: Compositions Isolated From Skin Cells
TITLE OF INVENTION: and Methods For Their Use

FILE REFERENCE: 11000.1011c1
CURRENT APPLICATION NUMBER: US/09/188.930A
CURRENT FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 348
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 131
LENGTH: 70
TYPE: PR7
ORGANISM: mouse
US-09-188-930-131

Query Match 3.5%; Score 6; DB 4; Length 70;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGISL 11
Db 63 GPGISL 68

RESULT 7
US-08-473-981A-11
Sequence 11, Application US/08473981A
Patent No. 5629162
GENERAL INFORMATION:
APPLICANT: deFougerolles, Antonin R
TITLE OF INVENTION: METHODS OF IDENTIFYING AGENTS WHICH MODULATE
TITLE OF INVENTION: ICAM-3 BINDING TO LFA-1 (AS AMENDED)
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.W. SUITE 600
CITY: WASHINGTON
STATE: D. C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/473,981A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MILLONIG, ROBERT C
REGISTRATION NUMBER: 34,395
REFERENCE/DOCKET NUMBER: 1011.0560004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-473-981A-11

Query Match 3.5%; Score 6; DB 1; Length 100;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPAL 22
Db 9 ALPAL 14

RESULT 8
US-08-474-087-11
Sequence 11, Application US/08474087
Patent No. 5891841
GENERAL INFORMATION:
APPLICANT: deFougerolles, Antonin R
TITLE OF INVENTION: METHODS OF USING INTERCELLULAR ADHESION MOLECULE-
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.W. SUITE 600
CITY: WASHINGTON
STATE: D. C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,087
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/038,990
FILING DATE: 23-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/712,879
FILING DATE: 11-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: MILLONIG, ROBERT C
REGISTRATION NUMBER: 34,395
REFERENCE/DOCKET NUMBER: 1011.0560003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-474-087-11

Query Match 3.5%; Score 6; DB 2; Length 100;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPAL 22
Db 9 ALPAL 14

RESULT 9
US-08-513-974B-28
Sequence 28, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiko
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP

STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 126 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-28

Query Match 3.5%; Score 6; DB 4; Length 126;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 15 VLALPA 20
|||||
DB 29 VLALPA 34

RESULT 10
US-08-757-036-3
Sequence 3, Application US/08/57036
Patent No. 5843668
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: HUMAN SQM1 PROTEIN HOMOLOG
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,036
FILING DATE: Herewith
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0170 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 135 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 180233
US-08-757-036-3

Query Match 3.5%; Score 6; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 152 RSGGR 157
|||||
DB 111 RSGGR 116

RESULT 11
US-08-164-292B-20
Sequence 20, Application US/08164292B
Patent No. 5820868
GENERAL INFORMATION:
APPLICANT: MITTAL, SURESH K.
APPLICANT: GRAHAM, FRANK L.
APPLICANT: PREVEC, LUDVIG
APPLICANT: BABIUK, LORNE A.
TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 345 California Street
CITY: San Francisco

STATE: California
COUNTRY: USA
ZIP: 94104-2675
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,292B
FILING DATE: 09-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 28,216
REFERENCE/DOCKET NUMBER: 29310-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 677-7000
TELEFAX: (415) 677-7522
TELEX: 34-0154
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 142 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-164-292B-20

Query Match 3.5%; Score 6; DB 3; Length 142;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
DB 12 GPGSL 17

RESULT 12
US-08-845-623-20
Sequence 20, Application US/08845623A
Patent No. 6001591
GENERAL INFORMATION:
APPLICANT: BABIUK, LORNE A.
APPLICANT: TIRKOO, SURESH K.
APPLICANT: REDDY, POLICE S.
TITLE OF INVENTION: BOVINE ADENOVIRUS 3 GENOME
FILE REFERENCE: 293102002120
CURRENT APPLICATION NUMBER: US/08/845,623A
CURRENT FILING DATE: 1997-04-25
EARLIER APPLICATION NUMBER: 08/164,294
EARLIER FILING DATE: 1993-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 20
LENGTH: 142
TYPE: PRT
ORGANISM: Bovine adenovirus type 3
US-08-845-623-20

Query Match 3.5%; Score 6; DB 3; Length 142;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
DB 12 GPGSL 17

RESULT 13
US-08-815-927-20
Sequence 20, Application US/08815927

Patent No. 6086890
GENERAL INFORMATION:
APPLICANT: MITTAL, SURESH K.
APPLICANT: GRAHAM, FRANK L.
APPLICANT: PREVIC, LUDVIG
APPLICANT: BABIUK, LORNE A.
TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE ADENOVIRUS EXPRESSION
FILE REFERENCE: 293102002101
CURRENT APPLICATION NUMBER: US/08/815,927
CURRENT FILING DATE: 1997-03-13
EARLIER APPLICATION NUMBER: 08/164,294
EARLIER FILING DATE: 1993-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 20
LENGTH: 142
TYPE: PRT
ORGANISM: Bovine adenovirus type 3
US-08-815-927-20

Query Match 3.5%; Score 6; DB 3; Length 142;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
DB 12 GPGSL 17

RESULT 14
US-08-513-974B-366
Sequence 366, Application US/08513974B
Patent No. 611439
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 366:
SEQUENCE CHARACTERISTICS:
LENGTH: 144 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-513-974B-366

Query Match 3.5% Score 6; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
|11111|
DB 38 VLALPA 43

RESULT 15
US-08-513-974B-369
Sequence 369, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhito
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 369:
SEQUENCE CHARACTERISTICS:
LENGTH: 144 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-369

Query Match 3.5% Score 6; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
|11111|
DB 38 VLALPA 43

RESULT 16
US-08-851-188-1
Sequence 1, Application US/08851188
Patent No. 5925542
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Corley, Neil C.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: NOVEL HUMAN PHOSPHODIESTERASE
TITLE OF INVENTION: DELTA SUBUNIT
NUMBER OF SEQUENCES: 4

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/851,188
;; FILING DATE: Filed Herewith
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0284 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-845-4166
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 150 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: 2285337
;; CLONE: 2285337
;;
US-08-851-188-1

Query Match 3.5%; Score 6; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 RDAETG 44
| | | | |
DB 23 RDAETG 28

RESULT 17
US-08-851-188-3
;; Sequence 3, Application US/08851188
;; Patent No. 5925542
;; GENERAL INFORMATION:
;; APPLICANT: Hillman, Jennifer L.
;; APPLICANT: Corley, Neil C.
;; APPLICANT: Shah, Puryi
;; TITLE OF INVENTION: NOVEL HUMAN PHOSPHODIESTERASE
;; TITLE OF INVENTION: DELTA SUBUNIT
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/851,188
;; FILING DATE: Filed Herewith
;; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0284 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-845-4166
;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 150 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: GenBank
;; CLONE: 1565306
;;
US-08-851-188-3

Query Match 3.5%; Score 6; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 RDAETG 44
| | | | |
DB 23 RDAETG 28

RESULT 18
US-08-851-188-4
;; Sequence 4, Application US/08851188
;; Patent No. 5925542
;; GENERAL INFORMATION:
;; APPLICANT: Hillman, Jennifer L.
;; APPLICANT: Corley, Neil C.
;; APPLICANT: Shah, Puryi
;; TITLE OF INVENTION: NOVEL HUMAN PHOSPHODIESTERASE
;; TITLE OF INVENTION: DELTA SUBUNIT
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/851,188
;; FILING DATE: Filed Herewith
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0284 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-845-4166
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 159 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:

LIBRARY: GenBank
CLONE: 540267
US-08-851-188-4

Query Match
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 RDAETG 44
|||||
DB 32 RDAETG 37

RESULT 19
US-08-791-495-7
Sequence 7, Application US/08791495
Patent No. 5811519
GENERAL INFORMATION:
APPLICANT: Leth, Bernard
APPLICANT: Lucas, Sophie
APPLICANT: De Smet, Charles
APPLICANT: Godelaine, Daniele
APPLICANT: Boon-Falleur, Thierry
TITLE OF INVENTION: LL-1 TUMOR SPECIFIC GENES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/791,495
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Van Amsterdam, John R.
REGISTRATION NUMBER: 40,212
REFERENCE/DOCKET NUMBER: L0461/7005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
INFORMATION FOR SEQ. ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 180 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-791-495-7

Query Match
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 147 RCGAPR 152
|||||
DB 57 RCGAPR 62

RESULT 20
5168049-4
Patent No. 5168049
APPLICANT: MEADE, HARRY M.; GARWIN, JEFFREY L.
TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN-LIKE
POLYPEPTIDES

NUMBER OF SEQUENCES: 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/185,329
FILING DATE: 21-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 656,873
FILING DATE: 02-OCT-1984
SEQ ID NO: 4
LENGTH: 183
5168049-4

Query Match
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LEGPGL 9
|||||
DB 29 LEGPGL 34

RESULT 21
US-09-106-182-3
Sequence 3, Application US/09106182
Patent No. 6046035
GENERAL INFORMATION:
APPLICANT: Shi, Yangu
APPLICANT: Ruben, Steve
TITLE OF INVENTION: Cardiotrophin-Like Cytokine
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc
STREET: 9410 Key West Ave
CITY: Rockville
STATE: MD
COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/106,182
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/051,053
FILING DATE: 30-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF385
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ. ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 203 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-106-182-3

Query Match
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPALL 22
|||||
DB 96 ALPALL 101

RESULT 22
US-08-513-974B-27
Sequence 27, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093889
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:
LENGTH: 206 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-27

Query Match 3.5%; Score 6; DB 4; Length 206;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
Db 109 VLALPA 114

RESULT 23
US-08-791-495-5
Sequence 5, Application US/08791495
Patent No. 581519
GENERAL INFORMATION:
APPLICANT: Leth, Bernard
APPLICANT: Lucas, Sophie
APPLICANT: De Smet, Charles
APPLICANT: Godelaine, Thierie
APPLICANT: Boon-Falleur, Thierry
TITLE OF INVENTION: LI-1 TUMOR SPECIFIC GENES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/791,495
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Van Amsterdam, John R.
REGISTRATION NUMBER: 40,212
REFERENCE/DOCKET NUMBER: L0461/7005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 210 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-791-495-5

Query Match 3.5%; Score 6; DB 2; Length 210;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 147 RGCAPR 152
Db 57 RGCAPR 62

RESULT 24
US-08-840-683-8

Sequence 8, Application US/08840683
Patent No. 5821051
GENERAL INFORMATION:
APPLICANT: Androphy, Elliot J.
APPLICANT: Chen, Jason J.
TITLE OF INVENTION: E6-BINDING PROTEINS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/840,683
FILING DATE: 29-APR-1997
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/273,059
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Louis
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: NEP-003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 220 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: N-terminal
US-08-840-683-8

Query Match 3.5%; Score 6; DB 2; Length 220;
Best local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GPGSL 11
Db 68 GPGSL 73

RESULT 25
US-08-513-974B-315
Sequence 315, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ontaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiko
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 315:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-513-974B-315

Query Match 3.5%; Score 6; DB 4; Length 223;
Best local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 15 VIALPA 20
Db 117 VIALPA 122

RESULT 26
US-08-513-974B-364
Sequence 364, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji

APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhito
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
NUMBER OF SEQUENCES: 380
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 364:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-364

Query Match 3.5%; Score 6; DB 4; Length 223;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 15 VLALPA 20
Db 117 VLALPA 122
RESULT 27
US-08-513-974B-368
Sequence 368, Application US/08513974B
Patent No. 614139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhito
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994

ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 368:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-368

Query Match 3.5%; Score 6; DB 4; Length 223;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
|||||
DB 117 VLALPA 122

RESULT 28
PCT-US96-12374-2
Sequence 2, Application PC/TUS9612374
GENERAL INFORMATION:
APPLICANT: Northwestern University
TITLE OF INVENTION: Herpes Virus Entry Mediator
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESS: Dressler, Goldsmith, Milnamow & Katz, Ltd.
STREET: 180 N. Stetson, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/12374
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Northrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: NOR3446P020PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5400
TELEFAX: (312) 616-5460
TELEX: --
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12374-2

Query Match 3.5%; Score 6; DB 5; Length 283;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 52 CPPGTF 57
|||||
DB 165 CPPGTF 170

RESULT 29
US-07-971-092-2
Sequence 2, Application US/07971092
Patent No. 5328987
GENERAL INFORMATION:
APPLICANT: Maliszewski, Charles R.
TITLE OF INVENTION: Huiga FC Receptor
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: Immunex
STREET: 51 University
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/971.092
FILING DATE: 19921104
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34693
REFERENCE/DOCKET NUMBER: 2603
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 287 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-971-092-2

Query Match 3.5%; Score 6; DB 1; Length 287;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 LLCLVL 16
|||||
DB 8 LLCLVL 13

RESULT 30
5198342-2
Patent No. 5198342
APPLICANT: MALISZEWSKI, CHARLES R.
TITLE OF INVENTION: DNA ENCODING IGA FC RECEPTORS
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/548.059
FILING DATE: 05-JUL-1990
SEQ ID NO: 2:
LENGTH: 287
5198342-2

Query Match 3.5%; Score 6; DB 6; Length 287;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 LLCLVL 16
|||||
DB 8 LLCLVL 13

RESULT 31
US-08-555-722-8

Sequence 8, Application US/08555722
Patent No. 5989804
GENERAL INFORMATION:
APPLICANT: Androphy, Elliot J.
TITLE OF INVENTION: E6-BINDING PROTEINS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
City: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,722
FILING DATE: 14-NOV-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Louis
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: NEP-003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ. ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-555-722-8

Query Match 3.5%; Score 6; DB 2; Length 317;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
DB 166 GPGSL 171

RESULT 32
US-08-602-359A-34
Sequence 34, Application US/08602359A
Patent No. 5942430
GENERAL INFORMATION:
APPLICANT: ROBERTSON, Daniel E.
APPLICANT: MURPHY, Dennis
APPLICANT: REID, John
APPLICANT: MAFFIA, Anthony
APPLICANT: LINK, Steven
APPLICANT: SWANSON, Ronald V.
APPLICANT: WARREN, Patrick V.
APPLICANT: KOSMOTKA, Anna
TITLE OF INVENTION: ESTERASES
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & RICHARDSON P. C.
STREET: 4225 EXECUTIVE SQUARE, STE 1400
CITY: LA JOLLA
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,359A
FILING DATE: February 16, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HATLE, LISA A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 09010/010001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ. ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 346 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-602-359A-34

Query Match 3.5%; Score 6; DB 2; Length 346;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 132 CPPGAG 137
DB 340 CPPGAG 345

RESULT 33
US-08-513-974B-26
Sequence 26, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 370 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-26

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 15 VLALPA 20
Db 189 VLALPA 194

RESULT 34
US-08-513-974B-323
Sequence 323, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ontaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF.
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 323:
SEQUENCE CHARACTERISTICS:
LENGTH: 370 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-513-974B-323

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 15 VLALPA 20
Db 189 VLALPA 194

RESULT 35
US-09-172-353-2
Sequence 2, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GP10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS

FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 370
TYPE: PRT
ORGANISM: Mus musculus
US-09-172-353-2

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
DB 189 VLALPA 194

RESULT 36
US-09-172-353-3
Sequence 3, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GPR10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS
FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 370
TYPE: PRT
ORGANISM: Mus musculus
US-09-172-353-3

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
DB 189 VLALPA 194

RESULT 37
US-09-172-353-5
Sequence 5, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GPR10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS
FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 370
TYPE: PRT
ORGANISM: Homo sapiens
US-09-172-353-5

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
DB 189 VLALPA 194

RESULT 38
US-09-172-353-7
Sequence 7, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GPR10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS
FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 370
TYPE: PRT
ORGANISM: Mus musculus
US-09-172-353-7

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
DB 189 VLALPA 194

RESULT 39
US-09-067-626-4
Sequence 4, Application US/09067626
Patent No. 6177086
GENERAL INFORMATION:
APPLICANT: Riley, Lee W.
APPLICANT: Nathan, Carl F.
TITLE OF INVENTION: DNA MOLECULE CONFERRING ON MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS RESISTANCE AGAINST ANTIMICROBIAL REACTIVE
TITLE OF INVENTION: OXYGEN AND NITROGEN INTERMEDIATES
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: USA
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/067,626
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/045,688
FILING DATE: 06-May-1997
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/491
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600

;; INFORMATION FOR SEQ ID NO: 4;
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 414 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-09-067-626-4

Query Match 3.5%; Score 6; DB 4; Length 414;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 133 PGAGV 138
DB 375 PGAGV 380

RESULT 40

US-08-448-722A-4
; Sequence 4, Application US/08448722A
; Patent No. 6072028
; GENERAL INFORMATION:
; APPLICANT: Altieri, Dario C.
; TITLE OF INVENTION: No. 6072028el Cell Surface Receptor, Antibody
; TITLE OF INVENTION: Compositions, and Methods of Using Same
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Office of Patent Counsel, The Scripps
; ADDRESSEE: Research Institute
; STREET: 10550 No. 6072028th Torrey Pines Road, TPC-8
; CITY: La Jolla
; STATE: CA
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentln Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/448,722A
; FILING DATE: 25-MAY-1995
; CLASSIFICATION: 530
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/189,309
; FILING DATE: 28-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: 233.1 Div1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 784-2937
; TELEFAX: (619) 784-9399
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 427 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: Internal
US-08-448-722A-4

Query Match 3.5%; Score 6; DB 3; Length 427;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 130 ASCPG 135
DB 43 ASCPG 48

RESULT 41
US-09-012-072-4
; Sequence 4, Application US/09012072
; Patent No. 6060276
; GENERAL INFORMATION:
; APPLICANT: Maslowski, Piotr
; TITLE OF INVENTION: No. 6060276el Orphan Receptors
; FILE REFERENCE: REG 630
; CURRENT APPLICATION NUMBER: US/09/012,072
; CURRENT FILING DATE: 1998-01-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 434
; TYPE: PRT
; ORGANISM: HUMAN
US-09-012-072-4

Query Match 3.5%; Score 6; DB 3; Length 434;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 PGLSL 12
DB 230 PGLSL 235

RESULT 42
US-09-120-601-4
; Sequence 4, Application US/09120601
; Patent No. 6207413
; GENERAL INFORMATION:
; APPLICANT: Maslowski, Piotr
; TITLE OF INVENTION: No. 6207413el Orphan Receptors
; FILE REFERENCE: REG 630
; CURRENT APPLICATION NUMBER: US/09/120,601
; CURRENT FILING DATE: 1998-07-22
; EARLIER APPLICATION NUMBER: 09/012,072
; EARLIER FILING DATE: 1998-01-22
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 434
; TYPE: PRT
; ORGANISM: HUMAN
US-09-120-601-4

Query Match 3.5%; Score 6; DB 4; Length 434;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 PGLSL 12
DB 230 PGLSL 235

RESULT 43
US-09-073-569-2
; Sequence 2, Application US/09073569
; Patent No. 6084088
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Grossmann, Angelika
; TITLE OF INVENTION: NOVEL TUMOR ANTIGENS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA

COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/073,569
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sawislak, Deborah A.
REGISTRATION NUMBER: 37,438
REFERENCE/DOCKET NUMBER: 97-14
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6672
TELEFAX: 206-442-6678
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-073-569-2

Query Match 3.5%; Score 6; DB 3; Length 437;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
Db 92 GPGSL 97

RESULT 44
US-09-120-601-6
Sequence 6, Application US/09120601
Patent No. 6207413
GENERAL INFORMATION:
APPLICANT: Maslowski, Piotr
TITLE OF INVENTION: No. 6207413el Orphan Receptors
FILE REFERENCE: REG 630
CURRENT APPLICATION NUMBER: US/09/120,601
CURRENT FILING DATE: 1998-07-22
EARLIER APPLICATION NUMBER: 09/012,072
EARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 448
TYPE: PRT
ORGANISM: HUMAN
US-09-120-601-6

Query Match 3.5%; Score 6; DB 4; Length 448;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 PGLSL 12
|||||
Db 244 PGLSL 249

RESULT 45

5268463-7
Patent No. 5268463
APPLICANT: JEFFERSON, RICHARD A.
TITLE OF INVENTION: PLANT PROMOTER a-GLUCURONIDASE GENE
CONSTRUCT
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/447,976
FILING DATE: 08-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 119,102
FILING DATE: 10-NOV-1987
APPLICATION NUMBER: 264,586
FILING DATE: 31-OCT-1988
SEQ ID NO: 7
LENGTH: 457
5268463-7

Query Match 3.5%; Score 6; DB 6; Length 457;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 163 VAGPSL 168
|||||
Db 212 VAGPSL 217

RESULT 46
US-08-425-989B-11
Sequence 11, Application US/08425989B
Patent No. 5849699
GENERAL INFORMATION:
APPLICANT: McClelland, Alan
APPLICANT: Greve, Jeffrey M.
TITLE OF INVENTION: Soluble Molecule Related to but
TITLE OF INVENTION: Distinct from ICAM-1
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Bayer Corporation
STREET: 400 Morgan Lane
CITY: West Haven
STATE: Connecticut
COUNTRY: USA
ZIP: 06516
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" diskette, 1.44 MB storage
COMPUTER: IBM Thinkpad 760ED
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/425,989B
FILING DATE: 20-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/156,653
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/005,204
FILING DATE: 15-JAN-1993
APPLICATION NUMBER: 07/449,356
FILING DATE: 21-DEC-1989
APPLICATION NUMBER: 07/445,951
FILING DATE: 13-DEC-1989
APPLICATION NUMBER: 07/301,192
FILING DATE: 24-JAN-1989
ATTORNEY/AGENT INFORMATION:
NAME: Barbara A. Shime1
REGISTRATION NUMBER: 29,862
REFERENCE/DOCKET NUMBER: MTI 209,2C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 812-2786
TELEFAX: (203) 812-5492
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:

LENGTH: 480 amino acid residues
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
DESCRIPTION: no
HYPOTHETICAL: no
ORIGINAL SOURCE: human
ORGANISM: human
CELL TYPE: epithelial
CELL LINE: HeLa cells
FEATURE:
NAME/KEY: SICAM-1
OTHER INFORMATION: amino acid sequence
OTHER INFORMATION: identical to ICAM-1 protein sequence except
OTHER INFORMATION: for residue 442, which is Lys rather than
OTHER INFORMATION: Glu, and residues 443-453, which is novel
US-08-425-989B-11
Sequence due to alternative splicing

Query Match 3.5%; Score 6; DB 2; Length 480;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 17 ALPALL 22
Db 9 ALPALL 14

RESULT 47
PCT-US94-01101-2
Sequence 2, Application PC/TUS9401101
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: HIGH MOLECULAR WEIGHT B-CELL GROWTH
NUMBER OF SEQUENCES: 8
TITLE OF INVENTION: FACTOR: INTERLEUKIN-14
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/01101
FILING DATE: FILED HEREWITH
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/005,156
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: B0819/7000WO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
FEATURE:
NAME/KEY: Protein
LOCATION: 16..498
PCT-US94-01101-2

Query Match 3.5%; Score 6; DB 5; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 14 LVIALP 19
Db 11 LVIALP 16

RESULT 48
US-08-789-078-3
Sequence 3, Application US/08789078
Patent No. 5843885
GENERAL INFORMATION:
APPLICANT: Benedict, Stephen H.
APPLICANT: Shahan, Teruna
APPLICANT: Chan, Marcia
APPLICANT: Tibbetts, Scott
TITLE OF INVENTION: ICAM-1/LFA-1 PEPTIDES FOR INDUCING
NUMBER OF SEQUENCES: 19
TITLE OF INVENTION: IMMUNE TOLERANCE
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
STREET: 1101 Walnut St.
CITY: Kansas City
STATE: MO
COUNTRY: USA
ZIP: 64106
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/789,078
FILING DATE: 03-FEB-1997
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/229,513
FILING DATE: 19-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: COLLINS, John M.
REGISTRATION NUMBER: 26262
REFERENCE/DOCKET NUMBER: 22833
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816)474-9050
TELEFAX: (816)474-9057
TELEX: 434-363
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 amino acids
TYPE: amino acid
TOPOLOGY: both
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: T-cell
CELL LINE: HL-60
FEATURE:
NAME/KEY: Region
LOCATION: 1..25
OTHER INFORMATION: /label=Signal
OTHER INFORMATION: /note=Signal sequence"

NAME/KEY: Region
LOCATION: 41..100
OTHER INFORMATION: /label= ig1
FEATURE:
NAME/KEY: Region
LOCATION: 128..190
OTHER INFORMATION: /label= ig2
FEATURE:
NAME/KEY: Region
LOCATION: 230..294
OTHER INFORMATION: /label= ig3
FEATURE:
NAME/KEY: Region
LOCATION: 325..375
OTHER INFORMATION: /label= ig4
FEATURE:
NAME/KEY: Region
LOCATION: 413..461
OTHER INFORMATION: /label= ig5
FEATURE:
NAME/KEY: Duplication
LOCATION: 481..503
OTHER INFORMATION: /label= Trans
OTHER INFORMATION: /note= "Transmembrane domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 152..154
OTHER INFORMATION: /label= Attachment
OTHER INFORMATION: /note= "Cell attachment site"
PUBLICATION INFORMATION:
AUTHORS: Pigott,
TITLE: ICAM-1 Amino acid sequence (from HL-60)
JOURNAL: The Adhesion Molecule Facts Book
PAGES: 75-75
DATE: 1993
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RESULT 49
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Sequence 3, Application US/08752633
Patent No. 5863889
GENERAL INFORMATION:
APPLICANT: Benedict, Stephen H.
APPLICANT: Slihaan, Teruna
APPLICANT: Chan, Marcia
APPLICANT: Tibbels, Scott
TITLE OF INVENTION: ICAM-1/LFA-1 PEPTIDES FOR INDUCING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
STREET: 1101 Walnut St.
CITY: Kansas City
STATE: MO
COUNTRY: USA
ZIP: 64106
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,633
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Collins, John M.
REGISTRATION NUMBER: 26262
REFERENCE/DOCKET NUMBER: 22833
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816)474-9050
TELEFAX: 816/474-9057
TELEX: 434-363
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 amino acids
TYPE: amino acid
TOPOLOGY: both
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: T-cell
CELL LINE: HL-60
FEATURE:
NAME/KEY: Region
LOCATION: 1..25
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PUBLICATION INFORMATION:
AUTHORS: Pigott,
TITLE: ICAM-1 Amino acid sequence (from HL-60)
JOURNAL: The Adhesion Molecule Facts Book
PAGES: 75-75
DATE: 1993
RELEVANT RESIDUES IN SEQ ID NO: 3: FROM 1 TO 531
US-08-752-633-3

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Best Local Similarity 100.0%; Pred. No. 5.5e+02;
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DB 9 ALPALL 14

RESULT 50
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Sequence 3, Application PC/TUS9504886
GENERAL INFORMATION:
APPLICANT: Benedict, Stephen H.
APPLICANT: Slahaan, Teruna
APPLICANT: Chan, Marcia
APPLICANT: Tibbetts, Scott
TITLE OF INVENTION: ICAM-1/LFA-1 PEPTIDES FOR INDUCING
TITLE OF INVENTION: IMMUNE TOLERANCE
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
STREET: 1101 Walnut St.
CITY: Kansas City
STATE: MO
COUNTRY: USA
ZIP: 64106
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04886
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Collins, John W.
REGISTRATION NUMBER: 26262
REFERENCE/DOCKET NUMBER: 22833
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816)474-9050
TELEFAX: 816)474-9057
TELEX: 434-363
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 amino acids
TYPE: amino acid
TOPOLOGY: both
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: T-cell
CELL LINE: HL-60
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FEATURE:
NAME/KEY: Binding-site
LOCATION: 152..154
OTHER INFORMATION: /label= Attachment
OTHER INFORMATION: /note= "Cell attachment site"
PUBLICATION INFORMATION:
AUTHORS: Pigott,
AUTHORS: Power,
TITLE: ICAM-1 amino acid sequence (from HL-60)
JOURNAL: The Adhesion Molecule Facts Book
PAGES: 75-75
DATE: 1993
RELEVANT RESIDUES IN SEQ ID NO: 3: FROM 1 TO 531
PCT-US95-04886-3

Query Match 3.5%; Score 6; DB 5; Length 531;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 17 ALPALL 22
DB 9 ALPALL 14

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Post-processing: Listing first 1000 summaries

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SUMMARIES

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| 145 | 6 | 2.0 | 175 | 1 | US-08-010-099-67 | Sequence 67, Appl | 218 | 6 | 2.0 | 175 | 1 | US-08-448-716-95 | Sequence 95, Appl |
| 146 | 6 | 2.0 | 175 | 1 | US-08-010-099-68 | Sequence 68, Appl | 219 | 6 | 2.0 | 175 | 1 | US-08-448-716-96 | Sequence 96, Appl |
| 147 | 6 | 2.0 | 175 | 1 | US-08-010-099-69 | Sequence 69, Appl | 220 | 6 | 2.0 | 175 | 1 | US-08-448-716-97 | Sequence 97, Appl |
| 148 | 6 | 2.0 | 175 | 1 | US-08-010-099-70 | Sequence 70, Appl | 221 | 6 | 2.0 | 175 | 1 | US-08-448-716-98 | Sequence 98, Appl |
| 149 | 6 | 2.0 | 175 | 1 | US-08-010-099-71 | Sequence 71, Appl | 222 | 6 | 2.0 | 175 | 1 | US-08-448-716-99 | Sequence 99, Appl |
| 150 | 6 | 2.0 | 175 | 1 | US-08-010-099-72 | Sequence 72, Appl | 223 | 6 | 2.0 | 175 | 1 | US-08-448-716-100 | Sequence 100, Appl |
| 151 | 6 | 2.0 | 175 | 1 | US-08-010-099-73 | Sequence 73, Appl | 224 | 6 | 2.0 | 175 | 1 | US-08-448-716-101 | Sequence 101, Appl |
| 152 | 6 | 2.0 | 175 | 1 | US-08-010-099-74 | Sequence 74, Appl | 225 | 6 | 2.0 | 175 | 1 | US-08-448-716-102 | Sequence 102, Appl |
| 153 | 6 | 2.0 | 175 | 1 | US-08-010-099-75 | Sequence 75, Appl | 226 | 6 | 2.0 | 175 | 1 | US-08-448-716-103 | Sequence 103, Appl |
| 154 | 6 | 2.0 | 175 | 1 | US-08-010-099-76 | Sequence 76, Appl | 227 | 6 | 2.0 | 175 | 1 | US-08-448-716-104 | Sequence 104, Appl |
| 155 | 6 | 2.0 | 175 | 1 | US-08-010-099-77 | Sequence 77, Appl | 228 | 6 | 2.0 | 175 | 1 | US-08-448-716-105 | Sequence 105, Appl |
| 156 | 6 | 2.0 | 175 | 1 | US-08-010-099-78 | Sequence 78, Appl | 229 | 6 | 2.0 | 175 | 1 | US-08-448-716-106 | Sequence 106, Appl |
| 157 | 6 | 2.0 | 175 | 1 | US-08-010-099-79 | Sequence 79, Appl | 230 | 6 | 2.0 | 175 | 1 | US-08-448-716-107 | Sequence 107, Appl |
| 158 | 6 | 2.0 | 175 | 1 | US-08-010-099-80 | Sequence 80, Appl | 231 | 6 | 2.0 | 175 | 1 | US-08-448-716-108 | Sequence 108, Appl |
| 159 | 6 | 2.0 | 175 | 1 | US-08-010-099-81 | Sequence 81, Appl | 232 | 6 | 2.0 | 175 | 1 | US-08-448-716-109 | Sequence 109, Appl |
| 160 | 6 | 2.0 | 175 | 1 | US-08-010-099-83 | Sequence 83, Appl | 233 | 6 | 2.0 | 175 | 1 | US-08-448-716-110 | Sequence 110, Appl |
| 161 | 6 | 2.0 | 175 | 1 | US-08-010-099-84 | Sequence 84, Appl | 234 | 6 | 2.0 | 175 | 2 | US-08-321-510-2 | Sequence 2, Appl |
| 162 | 6 | 2.0 | 175 | 1 | US-08-010-099-85 | Sequence 85, Appl | 235 | 6 | 2.0 | 175 | 2 | US-08-570-943-1 | Sequence 1, Appl |
| 163 | 6 | 2.0 | 175 | 1 | US-08-010-099-86 | Sequence 86, Appl | 236 | 6 | 2.0 | 175 | 2 | US-08-879-760-2 | Sequence 2, Appl |
| 164 | 6 | 2.0 | 175 | 1 | US-08-010-099-87 | Sequence 87, Appl | 237 | 6 | 2.0 | 175 | 4 | US-08-865-297-6 | Sequence 6, Appl |
| 165 | 6 | 2.0 | 175 | 1 | US-08-010-099-88 | Sequence 88, Appl | 238 | 6 | 2.0 | 175 | 4 | US-08-505-187-4 | Sequence 4, Appl |
| 166 | 6 | 2.0 | 175 | 1 | US-08-010-099-89 | Sequence 89, Appl | 239 | 6 | 2.0 | 175 | 5 | PCT-US95-01729-2 | Sequence 2, Appl |
| 167 | 6 | 2.0 | 175 | 1 | US-08-010-099-90 | Sequence 90, Appl | 240 | 6 | 2.0 | 176 | 3 | US-08-469-318-161 | Sequence 161, App |
| 168 | 6 | 2.0 | 175 | 1 | US-08-010-099-91 | Sequence 91, Appl | 241 | 6 | 2.0 | 176 | 3 | US-08-469-318-162 | Sequence 162, App |
| 169 | 6 | 2.0 | 175 | 1 | US-08-010-099-92 | Sequence 92, Appl | 242 | 6 | 2.0 | 176 | 3 | US-08-468-609A-161 | Sequence 161, App |
| 170 | 6 | 2.0 | 175 | 1 | US-08-010-099-93 | Sequence 93, Appl | 243 | 6 | 2.0 | 176 | 3 | US-08-468-609A-162 | Sequence 162, App |
| 171 | 6 | 2.0 | 175 | 1 | US-08-010-099-94 | Sequence 94, Appl | 244 | 6 | 2.0 | 176 | 4 | US-08-149-101A-26 | Sequence 26, Appl |
| 172 | 6 | 2.0 | 175 | 1 | US-08-010-099-95 | Sequence 95, Appl | 245 | 6 | 2.0 | 176 | 5 | PCT-US94-12873-25 | Sequence 25, Appl |
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|-----|---|-----|-----|---|--------------------|--------------------|-----|---|-----|-----|---|--------------------|-------------------|
| 247 | 6 | 2.0 | 176 | 5 | PCT-US95-01185-162 | Sequence 162, App | 330 | 6 | 2.0 | 292 | 1 | US-08-036-210-12 | Sequence 12, App |
| 248 | 6 | 2.0 | 177 | 2 | US-08-338-793D-41 | Sequence 41, App | 321 | 6 | 2.0 | 292 | 2 | US-08-449-609-12 | Sequence 12, App |
| 249 | 6 | 2.0 | 177 | 2 | US-08-338-793D-55 | Sequence 55, App | 322 | 6 | 2.0 | 297 | 2 | US-09-187-049-10 | Sequence 10, App |
| 250 | 6 | 2.0 | 177 | 2 | US-08-431-459A-30 | Sequence 30, App | 323 | 6 | 2.0 | 299 | 2 | US-08-773-608A-2 | Sequence 2, App |
| 251 | 6 | 2.0 | 177 | 2 | US-08-797-689-14 | Sequence 14, App | 324 | 6 | 2.0 | 303 | 2 | US-08-961-539-2 | Sequence 2, App |
| 252 | 6 | 2.0 | 177 | 2 | US-09-122-443-8 | Sequence 8, App | 325 | 6 | 2.0 | 303 | 4 | US-09-185-896-2 | Sequence 4, App |
| 253 | 6 | 2.0 | 177 | 3 | US-08-833-167-116 | Sequence 116, App | 326 | 6 | 2.0 | 307 | 3 | US-08-469-318-121 | Sequence 121, App |
| 254 | 6 | 2.0 | 177 | 3 | US-08-833-167-117 | Sequence 117, App | 327 | 6 | 2.0 | 307 | 3 | US-08-469-318-122 | Sequence 122, App |
| 255 | 6 | 2.0 | 177 | 3 | US-08-833-167-118 | Sequence 118, App | 328 | 6 | 2.0 | 307 | 3 | US-08-469-318-123 | Sequence 123, App |
| 256 | 6 | 2.0 | 177 | 3 | US-08-833-167-119 | Sequence 119, App | 329 | 6 | 2.0 | 307 | 3 | US-08-469-318-124 | Sequence 124, App |
| 257 | 6 | 2.0 | 177 | 3 | US-08-833-167-120 | Sequence 120, App | 330 | 6 | 2.0 | 307 | 3 | US-08-469-318-134 | Sequence 134, App |
| 258 | 6 | 2.0 | 177 | 3 | US-08-833-167-121 | Sequence 121, App | 331 | 6 | 2.0 | 307 | 3 | US-08-469-318-135 | Sequence 135, App |
| 259 | 6 | 2.0 | 177 | 3 | US-08-833-167-122 | Sequence 122, App | 332 | 6 | 2.0 | 307 | 3 | US-08-469-318-146 | Sequence 146, App |
| 260 | 6 | 2.0 | 177 | 3 | US-08-833-167-123 | Sequence 123, App | 333 | 6 | 2.0 | 307 | 3 | US-08-469-318-147 | Sequence 147, App |
| 261 | 6 | 2.0 | 177 | 3 | US-08-833-167-124 | Sequence 124, App | 334 | 6 | 2.0 | 307 | 3 | US-08-469-318-152 | Sequence 152, App |
| 262 | 6 | 2.0 | 177 | 3 | US-08-833-167-125 | Sequence 125, App | 335 | 6 | 2.0 | 307 | 3 | US-08-469-318-158 | Sequence 158, App |
| 263 | 6 | 2.0 | 177 | 3 | US-08-833-167-126 | Sequence 126, App | 336 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 264 | 6 | 2.0 | 177 | 3 | US-08-833-167-127 | Sequence 127, App | 337 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 265 | 6 | 2.0 | 177 | 3 | US-08-833-167-128 | Sequence 128, App | 338 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 266 | 6 | 2.0 | 183 | 6 | 5168049-4 | Patent No. 5168049 | 339 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 267 | 6 | 2.0 | 184 | 4 | US-08-149-101A-23 | Sequence 23, App | 340 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 268 | 6 | 2.0 | 184 | 5 | PCT-US94-12873-23 | Sequence 23, App | 341 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 269 | 6 | 2.0 | 203 | 3 | US-09-106-182-3 | Sequence 3, App | 342 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 270 | 6 | 2.0 | 204 | 1 | US-08-792-019B-10 | Sequence 10, App | 343 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 271 | 6 | 2.0 | 204 | 3 | US-08-988-819-10 | Sequence 10, App | 344 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 272 | 6 | 2.0 | 204 | 4 | US-09-016-534-10 | Sequence 10, App | 345 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 273 | 6 | 2.0 | 204 | 4 | US-08-097-869-5 | Sequence 5, App | 346 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 274 | 6 | 2.0 | 205 | 2 | US-08-775-009-37 | Sequence 37, App | 347 | 6 | 2.0 | 307 | 3 | US-08-469-318-159 | Sequence 159, App |
| 275 | 6 | 2.0 | 206 | 4 | US-08-513-974B-27 | Sequence 27, App | 348 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-121 | Sequence 121, App |
| 276 | 6 | 2.0 | 211 | 2 | US-08-708-958-1 | Sequence 1, App | 349 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-122 | Sequence 122, App |
| 277 | 6 | 2.0 | 211 | 2 | US-08-708-958-2 | Sequence 2, App | 350 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-122 | Sequence 122, App |
| 278 | 6 | 2.0 | 215 | 1 | US-08-266-451B-27 | Sequence 27, App | 351 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-124 | Sequence 124, App |
| 279 | 6 | 2.0 | 215 | 2 | US-08-748-725-27 | Sequence 27, App | 352 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-134 | Sequence 134, App |
| 280 | 6 | 2.0 | 218 | 1 | US-08-463-115-92 | Sequence 92, App | 353 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-135 | Sequence 135, App |
| 281 | 6 | 2.0 | 218 | 1 | US-08-463-388-92 | Sequence 92, App | 354 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-146 | Sequence 146, App |
| 282 | 6 | 2.0 | 218 | 4 | US-08-875-233-2 | Sequence 2, App | 355 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-147 | Sequence 147, App |
| 283 | 6 | 2.0 | 218 | 4 | US-08-875-233-6 | Sequence 6, App | 356 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-152 | Sequence 152, App |
| 284 | 6 | 2.0 | 219 | 1 | US-08-463-115-91 | Sequence 91, App | 357 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-158 | Sequence 158, App |
| 285 | 6 | 2.0 | 219 | 1 | US-08-463-388-91 | Sequence 91, App | 358 | 6 | 2.0 | 307 | 5 | PCT-US95-01185-159 | Sequence 159, App |
| 286 | 6 | 2.0 | 220 | 2 | US-08-840-683-8 | Sequence 8, App | 359 | 6 | 2.0 | 310 | 3 | US-08-651-166C-22 | Sequence 22, App |
| 287 | 6 | 2.0 | 223 | 4 | US-08-513-974B-315 | Sequence 315, App | 360 | 6 | 2.0 | 317 | 2 | US-08-555-722-8 | Sequence 8, App |
| 288 | 6 | 2.0 | 223 | 4 | US-08-513-974B-364 | Sequence 364, App | 361 | 6 | 2.0 | 317 | 2 | US-08-605-284B-17 | Sequence 17, App |
| 289 | 6 | 2.0 | 223 | 4 | US-08-513-974B-368 | Sequence 368, App | 362 | 6 | 2.0 | 320 | 2 | US-08-530-165-7 | Sequence 7, App |
| 290 | 6 | 2.0 | 226 | 6 | 5498600-2 | Patent No. 5498600 | 363 | 6 | 2.0 | 322 | 3 | US-08-469-318-128 | Sequence 128, App |
| 291 | 6 | 2.0 | 235 | 1 | US-08-015-985-5 | Sequence 5, App | 364 | 6 | 2.0 | 322 | 3 | US-08-469-318-129 | Sequence 129, App |
| 292 | 6 | 2.0 | 237 | 2 | US-08-469-537A-85 | Sequence 85, App | 365 | 6 | 2.0 | 322 | 3 | US-08-469-318-130 | Sequence 130, App |
| 293 | 6 | 2.0 | 241 | 6 | 5175255-2 | Patent No. 5175255 | 366 | 6 | 2.0 | 322 | 3 | US-08-469-318-138 | Sequence 138, App |
| 294 | 6 | 2.0 | 241 | 6 | 5175255-8 | Sequence 8, App | 367 | 6 | 2.0 | 322 | 3 | US-08-469-318-149 | Sequence 149, App |
| 295 | 6 | 2.0 | 245 | 1 | US-07-876-284-2 | Sequence 2, App | 368 | 6 | 2.0 | 322 | 3 | US-08-469-318-150 | Sequence 150, App |
| 296 | 6 | 2.0 | 245 | 1 | US-08-276-151-9 | Sequence 9, App | 369 | 6 | 2.0 | 322 | 3 | US-08-469-318-154 | Sequence 154, App |
| 297 | 6 | 2.0 | 246 | 1 | US-07-887-072B-4 | Sequence 4, App | 370 | 6 | 2.0 | 322 | 3 | US-08-469-318-156 | Sequence 156, App |
| 298 | 6 | 2.0 | 246 | 1 | US-08-276-151-7 | Sequence 7, App | 371 | 6 | 2.0 | 322 | 3 | US-08-469-318-157 | Sequence 157, App |
| 299 | 6 | 2.0 | 246 | 1 | US-08-466-444-4 | Sequence 4, App | 372 | 6 | 2.0 | 322 | 3 | US-08-469-318-158 | Sequence 158, App |
| 300 | 6 | 2.0 | 248 | 1 | US-08-266-451B-2 | Sequence 2, App | 373 | 6 | 2.0 | 322 | 3 | US-08-469-318-129 | Sequence 129, App |
| 301 | 6 | 2.0 | 248 | 1 | US-08-748-725-2 | Sequence 2, App | 374 | 6 | 2.0 | 322 | 3 | US-08-469-318-130 | Sequence 130, App |
| 302 | 6 | 2.0 | 249 | 1 | US-07-887-072B-2 | Sequence 2, App | 375 | 6 | 2.0 | 322 | 3 | US-08-469-318-138 | Sequence 138, App |
| 303 | 6 | 2.0 | 249 | 1 | US-08-466-444-2 | Sequence 2, App | 376 | 6 | 2.0 | 322 | 3 | US-08-469-318-149 | Sequence 149, App |
| 304 | 6 | 2.0 | 250 | 1 | US-08-133-804-2 | Sequence 2, App | 377 | 6 | 2.0 | 322 | 3 | US-08-469-318-150 | Sequence 150, App |
| 305 | 6 | 2.0 | 250 | 1 | US-08-461-184-8 | Sequence 8, App | 378 | 6 | 2.0 | 322 | 3 | US-08-469-318-154 | Sequence 154, App |
| 306 | 6 | 2.0 | 250 | 1 | US-08-463-675-8 | Sequence 8, App | 379 | 6 | 2.0 | 322 | 3 | US-08-469-318-156 | Sequence 156, App |
| 307 | 6 | 2.0 | 250 | 1 | US-08-464-589-8 | Sequence 8, App | 380 | 6 | 2.0 | 322 | 3 | US-08-469-318-157 | Sequence 157, App |
| 308 | 6 | 2.0 | 250 | 1 | US-08-461-838-2 | Sequence 2, App | 381 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-128 | Sequence 128, App |
| 309 | 6 | 2.0 | 250 | 1 | US-08-461-838-2 | Sequence 2, App | 382 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-129 | Sequence 129, App |
| 310 | 6 | 2.0 | 253 | 2 | US-08-685-992-11 | Sequence 11, App | 383 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-130 | Sequence 130, App |
| 311 | 6 | 2.0 | 253 | 2 | US-09-144-925-11 | Sequence 11, App | 384 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-138 | Sequence 138, App |
| 312 | 6 | 2.0 | 253 | 5 | PCT-US96-01314-53 | Sequence 53, App | 385 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-149 | Sequence 149, App |
| 313 | 6 | 2.0 | 269 | 3 | US-08-759-463-2 | Sequence 2, App | 386 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-150 | Sequence 150, App |
| 314 | 6 | 2.0 | 275 | 4 | US-09-036-987A-7 | Sequence 7, App | 387 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-154 | Sequence 154, App |
| 315 | 6 | 2.0 | 281 | 1 | US-08-040-548-3 | Sequence 3, App | 388 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-156 | Sequence 156, App |
| 316 | 6 | 2.0 | 281 | 1 | US-08-466-344-3 | Sequence 3, App | 389 | 6 | 2.0 | 322 | 5 | PCT-US95-01185-157 | Sequence 157, App |
| 317 | 6 | 2.0 | 282 | 1 | US-08-445-847A-1 | Sequence 1, App | 390 | 6 | 2.0 | 327 | 4 | US-09-290-640-66 | Sequence 66, App |
| 318 | 6 | 2.0 | 287 | 1 | US-07-971-092-2 | Sequence 2, App | 391 | 6 | 2.0 | 330 | 1 | US-08-410-167A-4 | Sequence 4, App |
| 319 | 6 | 2.0 | 287 | 6 | 5198342-2 | Patent No. 5198342 | 392 | 6 | 2.0 | 330 | 2 | US-08-898-560-1 | Sequence 1, App |

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| 393 | 6 | 2.0 | 335 | 3 | US-08-469-318-143 | Sequence 143, App | 466 | 6 | 2.0 | 479 | 1 | US-08-313-553-7 | Sequence 7, App11 |
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| 395 | 6 | 2.0 | 335 | 5 | PCT-US95-01185-143 | Sequence 143, App | 468 | 6 | 2.0 | 480 | 2 | US-08-425-989B-11 | Sequence 11, App1 |
| 396 | 6 | 2.0 | 337 | 3 | US-08-469-318-148 | Sequence 148, App | 469 | 6 | 2.0 | 481 | 2 | US-08-477-451-19 | Sequence 19, App1 |
| 397 | 6 | 2.0 | 337 | 3 | US-08-468-609A-148 | Sequence 148, App | 470 | 6 | 2.0 | 481 | 2 | US-07-503-103-4 | Sequence 4, App11 |
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| 400 | 6 | 2.0 | 342 | 5 | PCT-US93-08528-9 | Sequence 9, App11 | 473 | 6 | 2.0 | 489 | 1 | US-08-245-500A-5 | Sequence 5, App11 |
| 401 | 6 | 2.0 | 346 | 1 | US-08-119-773-5 | Sequence 5, App11 | 474 | 6 | 2.0 | 489 | 1 | US-08-390-546-5 | Sequence 5, App11 |
| 402 | 6 | 2.0 | 346 | 2 | US-08-602-359A-34 | Sequence 34, App1 | 475 | 6 | 2.0 | 489 | 1 | US-08-390-479A-5 | Sequence 5, App11 |
| 403 | 6 | 2.0 | 348 | 4 | US-09-248-528-7 | Sequence 7, App11 | 476 | 6 | 2.0 | 489 | 1 | US-08-557-393-5 | Sequence 5, App11 |
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| 405 | 6 | 2.0 | 349 | 3 | US-08-469-318-139 | Sequence 139, App | 478 | 6 | 2.0 | 489 | 1 | US-08-390-517A-5 | Sequence 5, App11 |
| 406 | 6 | 2.0 | 349 | 3 | US-08-469-318-151 | Sequence 151, App | 479 | 6 | 2.0 | 489 | 1 | US-08-390-515A-5 | Sequence 5, App11 |
| 407 | 6 | 2.0 | 349 | 3 | US-08-468-609A-139 | Sequence 139, App | 480 | 6 | 2.0 | 489 | 2 | US-08-801-718-5 | Sequence 5, App11 |
| 408 | 6 | 2.0 | 349 | 5 | US-08-468-609A-151 | Sequence 151, App | 481 | 6 | 2.0 | 496 | 2 | US-08-224-482-2 | Sequence 2, App11 |
| 409 | 6 | 2.0 | 349 | 5 | PCT-US95-01185-151 | Sequence 151, App | 482 | 6 | 2.0 | 497 | 1 | US-08-875-193-4 | Sequence 4, App11 |
| 410 | 6 | 2.0 | 349 | 5 | PCT-US95-01185-151 | Sequence 151, App | 483 | 6 | 2.0 | 497 | 2 | US-08-564-090A-4 | Sequence 4, App11 |
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| 413 | 6 | 2.0 | 357 | 1 | US-08-119-773-4 | Sequence 4, App11 | 486 | 6 | 2.0 | 498 | 5 | PCT-US94-01101-2 | Sequence 2, App11 |
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| 415 | 6 | 2.0 | 357 | 1 | US-08-119-773-36 | Sequence 36, App1 | 488 | 6 | 2.0 | 531 | 2 | US-08-789-078-3 | Sequence 3, App11 |
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| 417 | 6 | 2.0 | 370 | 2 | US-08-837-593-7 | Sequence 7, App11 | 490 | 6 | 2.0 | 531 | 5 | PCT-US95-04886-3 | Sequence 3, App11 |
| 418 | 6 | 2.0 | 370 | 4 | US-08-513-974B-26 | Sequence 26, App1 | 491 | 6 | 2.0 | 532 | 1 | US-07-618-286-1 | Sequence 1, App11 |
| 419 | 6 | 2.0 | 370 | 4 | US-08-513-974B-323 | Sequence 323, App | 492 | 6 | 2.0 | 532 | 1 | US-08-196-003-3 | Sequence 3, App11 |
| 420 | 6 | 2.0 | 370 | 4 | US-09-172-353-2 | Sequence 2, App11 | 493 | 6 | 2.0 | 532 | 2 | US-08-483-389-118 | Sequence 118, App |
| 421 | 6 | 2.0 | 370 | 4 | US-09-172-353-3 | Sequence 3, App11 | 494 | 6 | 2.0 | 532 | 2 | US-08-689-870-12 | Sequence 12, App1 |
| 422 | 6 | 2.0 | 370 | 4 | US-09-172-353-5 | Sequence 5, App11 | 495 | 6 | 2.0 | 532 | 3 | US-08-933-824-3 | Sequence 3, App11 |
| 423 | 6 | 2.0 | 370 | 4 | US-09-172-353-7 | Sequence 7, App11 | 496 | 6 | 2.0 | 532 | 6 | 5284931-2 | Patent No. 5284931 |
| 424 | 6 | 2.0 | 371 | 2 | US-08-837-593-6 | Sequence 6, App11 | 497 | 6 | 2.0 | 533 | 1 | US-08-040-548-1 | Sequence 1, App11 |
| 425 | 6 | 2.0 | 375 | 2 | US-08-837-593-5 | Sequence 5, App11 | 498 | 6 | 2.0 | 533 | 6 | US-08-466-344-1 | Sequence 1, App11 |
| 426 | 6 | 2.0 | 389 | 4 | US-08-888-429A-20 | Sequence 20, App1 | 499 | 6 | 2.0 | 533 | 6 | 5206152-2 | Patent No. 5206152 |
| 427 | 6 | 2.0 | 393 | 2 | US-08-990-379-4 | Sequence 2, App11 | 500 | 6 | 2.0 | 554 | 1 | US-08-106-761-2 | Sequence 2, App11 |
| 428 | 6 | 2.0 | 398 | 1 | US-08-091-519-2 | Sequence 2, App11 | 501 | 6 | 2.0 | 565 | 2 | US-08-892-770-6 | Sequence 6, App11 |
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| 430 | 6 | 2.0 | 398 | 2 | US-08-641-038A-2 | Sequence 2, App11 | 503 | 6 | 2.0 | 568 | 1 | US-08-320-559-30 | Sequence 30, App1 |
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| 583 | 6 | 2.0 | 983 | 2 | US-08-164-292B-26 | Sequence 26, Appl | 656 | 6 | 2.0 | 1706 | 2 | US-08-459-568-2 | Sequence 2, Appl |
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RESULT 1

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US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885600
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
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Query Match      100.0%; Score 300; DB 2; Length 300;
Best Local Similarity 100.0%; Pred. No. 1.4e-267;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB      181      181      INVPGSSHDITLCTSGCTFPILSTRVPGAECECERAVIDEVAFODISIKRLQLALEAPE      240
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RESULT 2

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US-08-938-548B-4
; Sequence 4, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derk
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellal, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,548B
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382
; FILING DATE: 2-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,519
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: 60/033,604
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth J. Hecht
; REGISTRATION NUMBER: 41,824
; REFERENCE/DOCKET NUMBER: ATG50037-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5009
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-938-548B-4
```

```
Query Match      2.7%; Score 8; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

OY 228 RLORLQA 235
Db 10 RLORLQA 17

RESULT 3

US-08-938-548B-9
; Sequence 9, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derek
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellal, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,548B
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382
; FILING DATE: 2-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,519
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: 60/033,604
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth J. Hecht
; REGISTRATION NUMBER: 41,824
; REFERENCE/DOCKET NUMBER: ATG50037-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5009
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-938-548B-9

Query Match 2.7%; Score 8; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLORLQA 235
Db 10 RLORLQA 17

RESULT 4
US-08-938-548B-12
; Sequence 12, Application US/08938548B
; Patent No. 6001963

; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derek
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellal, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,548B
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382
; FILING DATE: 2-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,519
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: 60/033,604
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth J. Hecht
; REGISTRATION NUMBER: 41,824
; REFERENCE/DOCKET NUMBER: ATG50037-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5009
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-938-548B-12

Query Match 2.7%; Score 8; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLORLQA 235
Db 10 RLORLQA 17

RESULT 5
US-08-938-548B-10
; Sequence 10, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derek
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellal, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; NUMBER OF SEQUENCES: 21

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Smithkline Beecham Corporation
;; STREET: 709 Swedeland Road
;; CITY: King of Prussia
;; STATE: PA
;; COUNTRY: United States of America
;; ZIP: 19406
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/938,548B
;; FILING DATE: 26-SEPT-1997
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/887,382
;; FILING DATE: 2-JUL-1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/820,519
;; FILING DATE: 19-MAR-1997
;; APPLICATION NUMBER: 60/033,604
;; FILING DATE: 17-DEC-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Elizabeth J. Hecht
;; REGISTRATION NUMBER: 41,824
;; REFERENCE/DOCKET NUMBER: ATG50037-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 610-270-5009
;; TELEFAX: 610-270-5090
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 10:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 123 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-938-548B-10

Query Match 2.7%; Score 8; DB 3; Length 123;
Best Local Similarity 100.0%; Pred. No. 4.4;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLLQA 235
Db 71 RLQRLLQA 78

RESULT 6
US-08-938-548B-6
; Sequence 6, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derk
; APPLICANT: Wilson, Shelaugh
; APPLICANT: Brooks, David
; APPLICANT: Gellai, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; TITLE OF INVENTION: RECEPTOR HFGAN72
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette

;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/938,548B
;; FILING DATE: 26-SEPT-1997
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/887,382
;; FILING DATE: 2-JUL-1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/820,519
;; FILING DATE: 19-MAR-1997
;; APPLICATION NUMBER: 60/033,604
;; FILING DATE: 17-DEC-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Elizabeth J. Hecht
;; REGISTRATION NUMBER: 41,824
;; REFERENCE/DOCKET NUMBER: ATG50037-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 610-270-5009
;; TELEFAX: 610-270-5090
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 130 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-938-548B-6

Query Match 2.7%; Score 8; DB 3; Length 130;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLLQA 235
Db 78 RLQRLLQA 85

RESULT 7
US-08-938-548B-2
; Sequence 2, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derk
; APPLICANT: Wilson, Shelaugh
; APPLICANT: Brooks, David
; APPLICANT: Gellai, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; TITLE OF INVENTION: RECEPTOR HFGAN72
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,548B
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382

FILED DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824
REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-548B-2

Query Match 2.7%; Score 8; DB 3; Length 131;
Best Local Similarity 100.0%; Pred. No. 4.7;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLRRLQA 235
DB 79 RLRRLQA 86

RESULT 8
US-08-313-288B-19
Sequence 19, Application US/08313288B
Patent No. 5750502
GENERAL INFORMATION:
APPLICANT: Jessell, Thomas M. and Avihu Klar
TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
TITLE OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,288B
FILING DATE: January 5, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
TELEX:
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1172 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-08-313-288B-19

Query Match 2.7%; Score 8; DB 1; Length 1172;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 ALEPGSL 10
DB 102 ALEPGSL 109

RESULT 9
US-08-804-227C-2
Sequence 2, Application US/08804227C
Patent No. 5876991
GENERAL INFORMATION:
APPLICANT: Dehoff, Bradley S.
APPLICANT: Kuhstoss, Stuart A.
APPLICANT: Rostock, Paul R., Jr.
APPLICANT: Sutton, Kimberly L.
TITLE OF INVENTION: POLYPEPTIDE SYNTHASE GENES
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: THOMAS G. PLANT 1501
STREET: LILLY CORPORATE CENTER
CITY: INDIANAPOLIS
STATE: IN
COUNTRY: USA
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII(DOS) Text only
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/804,227C
FILING DATE: February 21, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-8231
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2459
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 4472 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-804-227C-2

Query Match 2.7%; Score 8; DB 2; Length 4472;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 257 LRRRLTEL 264
DB 4424 LRRRLTEL 4431

RESULT 10
US-07-776-272-25
Sequence 25, Application US/07776272
Patent No. 5612454
GENERAL INFORMATION:
APPLICANT: Kaminuma, Toshihiko
APPLICANT: Tada, Toshii
APPLICANT: Tajima, Masahiro
TITLE OF INVENTION: Process for Purification of Polypeptide
NUMBER OF SEQUENCES: 31

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wegner, Cantor, Mueller & Player
;; STREET: 1233 20th St. N.W. P.O. Box 18218
;; CITY: Washington
;; STATE: District of Columbia
;; COUNTRY: United States of America
;; ZIP: 20036-8218
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentln Release #1.0, Version #1.25
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/776,272
;; FILING DATE: 19911129
;; CLASSIFICATION: 530
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Player, William E
;; REGISTRATION NUMBER: 31,409
;; REFERENCE/DOCKET NUMBER: P-450-23167
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-887-0400
;; TELEFAX: 202-887-0605
;;
;; INFORMATION FOR SEQ ID NO: 25:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 26 amino acids
;; TYPE: AMINO ACID
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHEetical: YES
;;
US-07-776-272-25

Query Match 2.3%; Score 7; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLQ 234
|||
Db 17 RLQRLQ 23

;; RESULT 11
;; US-07-924-054-10
;; Sequence 10, Application US/07924054
;; Patent No. 5486472
;;
;; GENERAL INFORMATION:
;; APPLICANT: SUZUKI, No. 5486472uhiro
;; APPLICANT: TSUDA, Masao
;; TITLE OF INVENTION: ANTIBODY TO PACAP AND USE THEREOF
;; NUMBER OF SEQUENCES: 11
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS &
;; ADDRESSER: CUSHMAN
;; STREET: 130 Water Street
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: US
;; ZIP: 02109
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentln Release #1.0, Version #1.25
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/924,054
;; FILING DATE: 19920903
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: RESNICK, David S
;; REGISTRATION NUMBER: 34235

;; REFERENCE/DOCKET NUMBER: 40805
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)523-3400
;; TELEFAX: (617)523-6440
;;
;; INFORMATION FOR SEQ ID NO: 10:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 27 amino acids
;; TYPE: AMINO ACID
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;;
US-07-924-054-10

Query Match 2.3%; Score 7; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLQ 234
|||
Db 18 RLQRLQ 24

;; RESULT 12
;; US-08-062-472B-43
;; Sequence 43, Application US/08062472B
;; Patent No. 5695954
;;
;; GENERAL INFORMATION:
;; APPLICANT: Sherwood, Nancy G M
;; APPLICANT: Parker, David B
;; APPLICANT: McGory, John E
;; APPLICANT: Lescheid, David W
;; TITLE OF INVENTION: DNA ENCODING TWO FISH NEUROPEPTIDES
;; NUMBER OF SEQUENCES: 49
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: KLARQUIST, SPARKMAN, CAMPBELL, LEIGH &
;; ADDRESSER: WHINSTON, LLP
;; STREET: ONE WORLD TRADE CENTER, SUITE 1600, 121 S.W.
;; CITY: PORTLAND
;; STATE: OREGON
;; COUNTRY: USA
;; ZIP: 97204-2988
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentln Release #1.0, Version #1.30
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/062,472B
;; FILING DATE: 14-MAY-1993
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: POLLEY, RICHARD J
;; REGISTRATION NUMBER: 28107
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (503) 226-7391
;; TELEFAX: (503) 228-9446
;;
;; INFORMATION FOR SEQ ID NO: 43:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 27 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;;
US-08-062-472B-43

Query Match 2.3%; Score 7; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLQ 234

Db 18 RIORLLO 24

RESULT 13
US-08-519-180-6
; Sequence 6, Application US/08519180
; Patent No. 5770570

GENERAL INFORMATION:

APPLICANT: PAUL, SUDHIR

APPLICANT: YASUOKA, NODA

APPLICANT: ISRAEL, RUBINSTEIN

TITLE OF INVENTION: A METHOD OF DELIVERING A VASOACTIVE

TITLE OF INVENTION: INTESTINAL POLYPEPTIDE, AN ENCAPSULATED VASOACTIVE

TITLE OF INVENTION: ENCAPSULATED VASOACTIVE INTESTINAL POLYPEPTIDE

TITLE OF INVENTION: 13

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEE: CUSHMAN, DARBY & CUSHMAN

STREET: 1100 NEW YORK AVENUE, N.W.

CITY: WASHINGTON

STATE: D.C.

COUNTRY: USA

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/519,180

FILING DATE: 25-AUG-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/224488

FILING DATE: 07-APR-1994

ATTORNEY/AGENT INFORMATION:

NAME: SEMINAUER, JEFFREY A.

REGISTRATION NUMBER: 31,933

REFERENCE/DOCKET NUMBER: 4464/98971

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-861-3000

TELEFAX: 202-822-0944

TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 27 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-519-180-6

Query Match 2.3%; Score 7; DB 1; Length 27;

Best Local Similarity 100.0%; Pred. No. 9.3;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RIORLLO 234

Db 18 RIORLLO 24

RESULT 14
US-08-818-253-36
; Sequence 36, Application US/08818253
; Patent No. 5998204

GENERAL INFORMATION:

APPLICANT: Tsien, Roger Y.

APPLICANT: Miyawaki, Atsushi

TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR

TITLE OF INVENTION: DETECTION OF ANALYTES

NUMBER OF SEQUENCES: 61

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.

STREET: 4225 Executive Square, Suite 1400

CITY: La Jolla

STATE: CA

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows 95

SOFTWARE: FastSeq for Windows Version 2.0b

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/818,253

FILING DATE: 14-MAR-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Haile, Ph.D., Lisa A.

REGISTRATION NUMBER: 38,347

REFERENCE/DOCKET NUMBER: 07257/043001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 619/678-5070

TELEFAX: 619/678-5099

INFORMATION FOR SEQ ID NO: 36:

SEQUENCE CHARACTERISTICS:

LENGTH: 27 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-818-253-36

Query Match 2.3%; Score 7; DB 2; Length 27;

Best Local Similarity 100.0%; Pred. No. 9.3;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RIORLLO 234

Db 18 RIORLLO 24

RESULT 15
US-08-818-252-36
; Sequence 36, Application US/08818252B
; Patent No. 6197928

GENERAL INFORMATION:

APPLICANT: Tsien, Roger Y.

APPLICANT: Miyawaki, Atsushi

TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR

TITLE OF INVENTION: DETECTION OF ANALYTES

FILE REFERENCE: 07257/042001

CURRENT APPLICATION NUMBER: US/08/818,252B

CURRENT FILING DATE: 1997-03-14

NUMBER OF SEQ ID NOS: 56

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 36

LENGTH: 27

TYPE: PRT

ORGANISM: Sus scrofa

US-08-818-252-36

Query Match 2.3%; Score 7; DB 4; Length 27;

Best Local Similarity 100.0%; Pred. No. 9.3;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RIORLLO 234

Db 18 RIORLLO 24

RESULT 16
US-08-583-569-1
Sequence 1, Application US/08583569
Patent No. 5869234
GENERAL INFORMATION:
APPLICANT: Knipe, David M.
APPLICANT: Xia, Kai
TITLE OF INVENTION: METHOD OF IDENTIFYING COMPOUNDS
TITLE OF INVENTION: WHICH
TITLE OF INVENTION: MODULATE HERPESVIRUS INFECTION
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millitia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,569
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: H095-08
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEO ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 69 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-583-569-1
Query Match 2.3%; Score 7; DB 2; Length 69;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 159 SASSSSS 165
DB 49 SASSSSS 55
RESULT 17
US-08-374-843B-6
Sequence 6, Application US/08374843B
Patent No. 5726016
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Street
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/374,843B
FILING DATE: 18-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215) 567-2991
TELEX: 831-494
INFORMATION FOR SEO ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-374-843B-6
Query Match 2.3%; Score 7; DB 1; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 257 LRRRLTE 263
DB 133 LRRRLTE 139
RESULT 18
US-08-374-843B-10
Sequence 10, Application US/08374843B
Patent No. 5726016
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Street
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/374,843B
FILING DATE: 18-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215) 567-2991
TELEX: 831-494
INFORMATION FOR SEO ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-374-843B-10

Query Match 2.3%; Score 7; DB 1; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 257 LRRRLTE 263
|||||
DB 133 LRRRLTE 139

RESULT 19
US-08-905-420-6
Sequence 6, Application US/08905420
Patent No. 5861255
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
TITLE OF INVENTION: ACTINOMYCETEMCOMITANS INFECTION
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/905,420
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/374,843
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215)567-2991
TELEX: 831-494
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-905-420-6

Query Match 2.3%; Score 7; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 257 LRRRLTE 263
|||||
DB 133 LRRRLTE 139

RESULT 20
US-08-905-420-10

Sequence 10, Application US/08905420
Patent No. 5861255
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
TITLE OF INVENTION: ACTINOMYCETEMCOMITANS INFECTION
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/905,420
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/374,843
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215)567-2991
TELEX: 831-494
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-905-420-10

Query Match 2.3%; Score 7; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 257 LRRRLTE 263
|||||
DB 133 LRRRLTE 139

RESULT 21
US-08-185-432-6
Sequence 6, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Bussseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji
TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND
TITLE OF INVENTION: ANTIBODIES, AND RELATED METHODS AND COMPOSITIONS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.

ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,432
FILING DATE: 21-JAN-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mistock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 181 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-185-432-6

Query Match 2.3%; Score 7; DB 1; Length 181;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSS 165
Db 40 SASSSS 46

RESULT 22
US-09-066-408-12
Sequence 12, Application US/09066408
Patent No. 6060448
GENERAL INFORMATION:
APPLICANT: Smith, John Arthur
APPLICANT: Wilkinson, Mark Charles
APPLICANT: Liu, Qing-Ming
TITLE OF INVENTION: Casein Fragments Having Growth Promoting
TITLE OF INVENTION: Activity
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/066,408
FILING DATE: 13-MAR-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB96/02658
FILING DATE: 31-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9522302.0
FILING DATE: 31-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dow, Karen B.
REGISTRATION NUMBER: 29,684
REFERENCE/DOCKET NUMBER: 018317-000100US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 235 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..235
OTHER INFORMATION:
OTHER INFORMATION: precursor
US-09-066-408-12

Query Match 2.3%; Score 7; DB 3; Length 235;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 160 ASSSSE 166
Db 69 ASSSSE 75

RESULT 23
PCT-US96-12374-2
Sequence 2, Application PC/TUS9612374
GENERAL INFORMATION:
APPLICANT: Northwestern University
TITLE OF INVENTION: Herpes Virus Entry Mediator
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Milnamow & Katz, Ltd.
STREET: 180 N. Stetson, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/12374
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Northrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: NOR3446P020PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5400
TELEFAX: (312) 616-5460
TELEX: --
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12374-2

Query Match 2.3%; Score 7; DB 5; Length 283;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 153 CPPGFS 159
Db 11111111

Db 165 CPGTFS 171

RESULT 24

US-08-965-903B-8

; Sequence 8, Application US/08965903B

; Patent No. 6060275

; GENERAL INFORMATION:

; APPLICANT: Hachon, NIT

; APPLICANT: Krasnow, Mark A.

; TITLE OF INVENTION: SPROUTY PROTEIN AND CODING

; TITLE OF INVENTION: SEQUENCE

; NUMBER OF SEQUENCES: 20

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Dellinger & Associates

; STREET: 350 Cambridge Ave., Suite 250

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94306

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/965,903B

; FILING DATE: 07-NOV-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/030232

; FILING DATE: 07-NOV-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Pelthorby, Joanne R

; REGISTRATION NUMBER: 42,995

; REFERENCE/DOCKET NUMBER: 8600-0177.30

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-324-0880

; TELEFAX: 650-324-0960

; TELEX:

; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 315 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; FRAGMENT TYPE: internal

; ORIGINAL SOURCE:

; INDIVIDUAL ISOLATE: h-spry2 protein

US-08-965-903B-8

Query Match

Best Local Similarity 2.3%; Score 7; DB 3; Length 315;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 161 SSSSSEQ 167

Db 127 SSSSSEQ 133

RESULT 25

US-08-888-429A-21

; Sequence 21, Application US/08888429A

; Patent No. 6136596

; GENERAL INFORMATION:

; APPLICANT: Davis, Roger J.

; APPLICANT: Whitmarsh, Alan

; APPLICANT: Tournier, Cathy

; TITLE OF INVENTION: CYTOKINE-, STRESS-, AND ONCOPROTEIN-

; TITLE OF INVENTION: ACTIVATED HUMAN PROTEIN KINASE KINASES

; NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson P.C.

; STREET: 225 Franklin Street

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02110-2804

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows95

; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/888,429A

; FILING DATE: 07-JUL-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/530,950

; FILING DATE: 19-SEP-1995

; APPLICATION NUMBER: 08/446,083

; FILING DATE: 19-MAY-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Fasse, Peter J.

; REGISTRATION NUMBER: 32,983

; REFERENCE/DOCKET NUMBER: 07917/053001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617/542-5070

; TELEFAX: 617/542-8906

; TELEX: 299354

; INFORMATION FOR SEQ ID NO: 21:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 393 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-888-429A-21

Query Match

Best Local Similarity 2.3%; Score 7; DB 4; Length 393;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 159 SASSSSS 165

Db 1 SASSSSS 7

RESULT 26

US-08-123-343A-5

; Sequence 5, Application US/08123343A

; Patent No. 5593879

; GENERAL INFORMATION:

; APPLICANT: Steller, Hermann

; APPLICANT: Abrams, John M.

; APPLICANT: Grether, Megan E.

; APPLICANT: White, Kristin

; TITLE OF INVENTION: Cell Death Genes of Drosophila

; TITLE OF INVENTION: Melanogaster and Vertebrate Analogs

; NUMBER OF SEQUENCES: 16

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

; STREET: Two Militia Drive

; CITY: Lexington

; STATE: MA

; COUNTRY: US

; ZIP: 02173

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC Compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/123,343A

; FILING DATE: 17-SEP-1993

CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,957
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-5907A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 61861-9540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-123-343A-5

Query Match 2.3%; Score 7; DB 1; Length 410;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||||
DB 53 SASSSSS 59

RESULT 27
US-08-123-343A-7
Sequence 7, Application US/08123343A
Patent No. 5593879
GENERAL INFORMATION:
APPLICANT: Steller, Hermann
APPLICANT: Abrams, John M.
APPLICANT: Grether, Megan E.
APPLICANT: White, Kristin
TITLE OF INVENTION: Cell Death Genes of Drosophila
TITLE OF INVENTION: Melanogaster and Vertebrate Analogs
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millitia Drive
CITY: Lexington
STATE: MA
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/123,343A
FILING DATE: 17-SEP-1993
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,957
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-5907A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 61861-9540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
STRANDEDNESS: unknown

TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-123-343A-7

Query Match 2.3%; Score 7; DB 1; Length 410;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||||
DB 53 SASSSSS 59

RESULT 28
US-08-318-947A-16
Sequence 16, Application US/08318947A
Patent No. 5798245
GENERAL INFORMATION:
APPLICANT: Anderson, Paul J.
APPLICANT: Tian, Qingsheng
TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, NW Suite 800
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,947A
FILING DATE: 06-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/133,530
FILING DATE: 07-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Mack, Susan J.
REGISTRATION NUMBER: 30,951
REFERENCE/DOCKET NUMBER: A6462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-2920
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-318-947A-16

Query Match 2.3%; Score 7; DB 1; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 229 LQRLQA 235
|||||||
DB 21 LQRLQA 27

RESULT 29
US-08-795-303-16
Sequence 16, Application US/08795303
Patent No. 5948656


```

; GENERAL INFORMATION:
; APPLICANT: Anderson, Paul J.
; APPLICANT: Tian, Qingsheng
; TITLE OF INVENTION: T1A-1 BINDING PROTEINS AND ISOLATED
; TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sughrie, Mlon, Zlmu, Macpeak & Seas
; STREET: 2100 Pennsylvania Avenue, NW Suite 800
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,303
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/318,947
; FILING DATE: 06-OCT-1994
; APPLICATION NUMBER: 08/133,530
; FILING DATE: 07-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Mack, Susan J.
; REGISTRATION NUMBER: 30,951
; REFERENCE/DOCKET NUMBER: A6462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)293-7060
; TELEFAX: (202)293-2920
; TEXEL: 6491103
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 430 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-795-303-16

Query Match 2.3%; Score 7; DB 2; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 229 LQRLQA 235
|11111|
DB 21 LQRLQA 27
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; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946,241B
; FILING DATE: 07-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/030,035
; FILING DATE: 05-NOV-1996
; APPLICATION NUMBER: 60/027,521
; FILING DATE: 07-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Creason, Gary L.
; REGISTRATION NUMBER: 34,310
; REFERENCE/DOCKET NUMBER: 05433/027001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TEXEL: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 470 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-08-946-241B-2

Query Match 2.3%; Score 7; DB 2; Length 470;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSS 165
|111111|
DB 120 SASSSS 126

RESULT 31
US-09-309-053-2
; Sequence 2, Application US/09309053
; Patent No. 6077933
; GENERAL INFORMATION:
; APPLICANT: Lee, Mu-En
; APPLICANT: MCA/Nulley, Megan M.
; TITLE OF INVENTION: REPRESSOR KRUPPEL-LIKE FACTOR
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/309,053
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/946,241
; FILING DATE: 07-OCT-1997
; APPLICATION NUMBER: 60/030,035
; FILING DATE: 05-NOV-1996
; APPLICATION NUMBER: 60/027,521
; FILING DATE: 07-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Creason, Gary L.
; REGISTRATION NUMBER: 34,310
; REFERENCE/DOCKET NUMBER: 05433/027001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
```

TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 470 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-09-309-053-2

Query Match 2.3%; Score 7; DB 3; Length 470;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 120 SASSSSS 126

RESULT 32
US-08-946-241B-9
Sequence 9, Application US/08946241B
Patent No. 5928941
GENERAL INFORMATION:
APPLICANT: Lee, Mu-En
APPLICANT: MCA/Nullty, Megan M.
TITLE OF INVENTION: REPRESSOR KRUPPEL-LIKE FACTOR
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/946,241B
FILING DATE: 07-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,035
FILING DATE: 05-NOV-1996
APPLICATION NUMBER: 60/027,521
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Creason, Gary L.
REGISTRATION NUMBER: 34,310
REFERENCE/DOCKET NUMBER: 05433/027001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-08-946-241B-9

Query Match 2.3%; Score 7; DB 2; Length 479;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165

Db 129 SASSSSS 135

RESULT 33
US-09-309-053-9
Sequence 9, Application US/09309053
Patent No. 6077933
GENERAL INFORMATION:
APPLICANT: Lee, Mu-En
APPLICANT: MCA/Nullty, Megan M.
TITLE OF INVENTION: REPRESSOR KRUPPEL-LIKE FACTOR
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/309,053
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/946,241
FILING DATE: 07-OCT-1997
APPLICATION NUMBER: 60/030,035
FILING DATE: 05-NOV-1996
APPLICATION NUMBER: 60/027,521
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Creason, Gary L.
REGISTRATION NUMBER: 34,310
REFERENCE/DOCKET NUMBER: 05433/027001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-09-309-053-9

Query Match 2.3%; Score 7; DB 3; Length 479;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 129 SASSSSS 135

RESULT 34
US-08-469-412A-7
Sequence 7, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Athanasios, Meropi A.
APPLICANT: Sgouras, Dionysios N.

TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015280-229000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..543
OTHER INFORMATION: /note="murine ERF amino acid sequence
(first 8 amino acids from first exon not
included)"
OTHER INFORMATION: Included"
US-08-469-412A-7

Query Match 2.3%; Score 7; DB 2; Length 543;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSS 165
|||||||
DB 355 SASSSS 361

RESULT 35
US-09-021-715-7
Sequence 7, Application US/09021715
Patent No. 6194547
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
Blair, Donald G.
Fisher, Robert J.
Beal Jr., Gregory J.
Athanaslou, Meropi A.
Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/021,715
FILING DATE: 10-Feb-1998
CLASSIFICATION: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015280-229000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 amino acids
TYPE: amino acid
STRANDEDNESS: <unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..543
OTHER INFORMATION: /note="murine ERF amino acid sequence
(first 8 amino acids from first exon not
included)"
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-021-715-7

Query Match 2.3%; Score 7; DB 4; Length 543;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSS 165
|||||||
DB 355 SASSSS 361

RESULT 36
US-08-469-412A-2
Sequence 2, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
Blair, Donald G.
Fisher, Robert J.
Beal Jr., Gregory J.
Athanaslou, Meropi A.
Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015280-229000
TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 548 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-412A-2

Query Match 2.3%; Score 7; DB 2; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 363 SASSSSS 369

RESULT 37
US-09-021-715-2
Sequence 2, Application US/09021715
Patent No. 6194547
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
Blair, Donald G.
Fisher, Robert J.
Beal Jr., Gregory J.
Athanasios, Merope A.
Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/021,715
FILING DATE: 10-Feb-1998
CLASSIFICATION: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015380-229000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 548 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-021-715-2

Query Match 2.3%; Score 7; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 363 SASSSSS 369

RESULT 38
US-08-185-432-2
Sequence 2, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Busseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji
TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,432
FILING DATE: 21-JAN-1994
CLASSIFICATION: 350
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 737 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-185-432-2

Query Match 2.3%; Score 7; DB 1; Length 737;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 345 SASSSSS 351

RESULT 39
US-08-185-432-4
Sequence 4, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Busseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji
TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas

CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/195,432
FILING DATE: 21-JAN-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mistock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNTE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 737 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-185-432-4

Query Match 2.3%; Score 7; DB 1; Length 737;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
DB 345 SASSSSS 351

RESULT 40
US-08-416-950-11
Sequence 11, Application US/08416950
Patent No. 5780036
GENERAL INFORMATION:
APPLICANT: CHISARI, Francis V.
TITLE OF INVENTION: PEPTIDES FOR INDUCING CYTOTOXIC T
TITLE OF INVENTION: LYMPHOCYTE RESPONSES TO HEPATITIS B VIRUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: One Market Plaza, Stewart Street Tower
CITY: San Francisco
STATE: CA
COUNTRY: U.S.A.
ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/416,950
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE:
APPLICATION NUMBER: US 07/935,898
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/749,540
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:

NAME: Parmelee, Steven W.
REGISTRATION NUMBER: 31,990
REFERENCE/DOCKET NUMBER: 14740-2-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 467-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 845 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-416-950-11

Query Match 2.3%; Score 7; DB 1; Length 845;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
DB 270 SASSSSS 276

RESULT 41
US-08-469-830-11
Sequence 11, Application US/08469830
Patent No. 5932224
GENERAL INFORMATION:
APPLICANT: CHISARI, Francis V.
TITLE OF INVENTION: PEPTIDES FOR INDUCING CYTOTOXIC T
TITLE OF INVENTION: LYMPHOCYTE RESPONSES TO HEPATITIS B VIRUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: One Market Plaza, Stewart Street Tower
CITY: San Francisco
STATE: CA
COUNTRY: U.S.A.
ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,830
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/100,870
FILING DATE: 02-AUG-1993
APPLICATION NUMBER: US 07/935,898
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/749,540
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Parmelee, Steven W.
REGISTRATION NUMBER: 31,990
REFERENCE/DOCKET NUMBER: 14740-2-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 467-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 845 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-469-830-11

Query Match 2.3%; Score 7; DB 2; Length 845;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 270 SASSSSS 276

RESULT 42
US-08-785-241-5
; Sequence 5, Application US/08785241
; Patent No. 5695963
; GENERAL INFORMATION:
; APPLICANT: McKnight, Steven L.
; APPLICANT: Russell, David W.
; TITLE OF INVENTION: Endothelial PAS Domain Protein
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/785,241
; FILING DATE: 17-JAN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UTSD:1229
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-785-241-5

Query Match 2.3%; Score 7; DB 1; Length 875;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 472 SASSSSS 478

RESULT 43
US-08-480-662-2
; Sequence 2, Application US/08480662
; Patent No. 5759782
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Brinkmann, Ulrich
; TITLE OF INVENTION: CELLULAR APOPTOSIS SUSCEPTIBILITY PROTEIN (CSP) AND AN
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson and Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: USA
ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,662
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelsen, Ned A
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH12.001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-235-8550
; TELEFAX: 619-235-0176
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 971 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; US-08-480-662-2

Query Match 2.3%; Score 7; DB 1; Length 971;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 273 LVRLLOA 279
|||||
DB 704 LVRLLOA 710

RESULT 44
US-08-918-190-2
; Sequence 2, Application US/08918190
; Patent No. 6072031
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Brinkmann, Ulrich
; TITLE OF INVENTION: CELLULAR APOPTOSIS SUSCEPTIBILITY
; TITLE OF INVENTION: PROTEIN (CSP) AND ANTISENSE CSP
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson and Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/918,190

;; FILING DATE:
;; CLASSIFICATION:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: 08/480,662
;; FILING DATE: 07-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Israelsen, Ned A
;; REGISTRATION NUMBER: 29,655
;; REFERENCE/DOCKET NUMBER: NIH112.001A
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-235-8550
;; TELEFAX: 619-235-0176
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 971 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHEICAL: NO
;; ANTI-SENSE: NO
;; FRAGMENT TYPE: N-terminal
;; ORIGINAL SOURCE:
;; US-08-918-190-2

Query Match 2.3%; Score 7; DB 3; Length 971;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 273 LVRLQA 279
|11111|
Db 704 LVRLQA 710

RESULT 45
PCT-US96-09927-2
;; Sequence 2, Application PC/TUS9609927
;; GENERAL INFORMATION:
;; APPLICANT: The United States, As Represented by the
;; APPLICANT: Secretary, Department of Health and Human
;; APPLICANT: Services
;; TITLE OF INVENTION: CELLULAR APOPTOSIS
;; TITLE OF INVENTION: SUSCEPTIBILITY PROTEIN (CSP) AND ANTISENSE CSP
;; NUMBER OF SEQUENCES: 14
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Knobbe, Martens, Olson and Bear
;; STREET: 620 Newport Center Drive 16th Floor
;; CITY: Newport Beach
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92660
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FASTSEQ Version 1.5
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US96/09927
;; FILING DATE: 07-JUN-1995
;; CLASSIFICATION:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US08/480662
;; FILING DATE: 07-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Israelsen, Ned A
;; REGISTRATION NUMBER: 29,655
;; REFERENCE/DOCKET NUMBER: NIH112.001PC
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-235-8550
;; TELEFAX: 619-235-0176
;; TELEX:

;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 971 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHEICAL: NO
;; ANTI-SENSE: NO
;; FRAGMENT TYPE: N-terminal
;; ORIGINAL SOURCE:
;; PCT-US96-09927-2

Query Match 2.3%; Score 7; DB 5; Length 971;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 273 LVRLQA 279
|11111|
Db 704 LVRLQA 710

RESULT 46
US-08-545-860D-55
;; Sequence 55, Application US/08545860D
;; Patent No. 6040140
;; GENERAL INFORMATION:
;; APPLICANT: Croce, Carlo
;; APPLICANT: Canaan, Eli
;; TITLE OF INVENTION: Diagnostics, Therapeutics and Methods
;; TITLE OF INVENTION: for Detection and Treatment of Acute Leukemias
;; TITLE OF INVENTION: Resulting from Chromosome Abnormalities in the All-1 Region
;; NUMBER OF SEQUENCES: 94
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Woodcock, Washburn, Kurtz, Macklewitz &
;; ADDRESSEE: No. 6040140ris
;; STREET: One Liberty Place, 46th floor
;; CITY: Philadelphia
;; STATE: Pennsylvania
;; COUNTRY: USA
;; ZIP: 19103
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/545,860D
;; FILING DATE: 07-MAR-1996
;; CLASSIFICATION: 435
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US94/04496
;; FILING DATE: 22-APR-1994
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US92/10930
;; FILING DATE: 09-DEC-1992
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 08/327,392
;; FILING DATE: 19-OCT-1994
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 08/320,559
;; FILING DATE: 11-OCT-1994
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 08/062,443
;; FILING DATE: 14-MAY-1993
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 07/971,094
;; FILING DATE: 30-OCT-1992
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 07/888,839
;; FILING DATE: 27-MAY-1992
;; PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 07/805,093
FILING DATE: 11-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Deluca Esq., Mark
REGISTRATION NUMBER: 33,229
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 1093 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-545-860D-55

Query Match 2.3%; Score 7; DB 3; Length 1093;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 326 SASSSSS 332

RESULT 47
PCT-US94-04496-55
Sequence 55, Application PC/TUS9404496
GENERAL INFORMATION:
APPLICANT: Croce, Carlo
TITLE OF INVENTION: Diagnostics, Therapeutics and Methods
TITLE OF INVENTION: for Detection and Treatment of Acute Leukemias
TITLE OF INVENTION: Resulting from Chromosome Abnormalities in the ALL-1
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock, Washburn, Kurtz, Macklewitz &
ADDRESS: Norris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/04496
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca Esq., Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1242
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 1093 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO

PCT-US94-04496-55

Query Match 2.3%; Score 7; DB 5; Length 1093;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 326 SASSSSS 332

RESULT 48
US-08-690-473-2
Sequence 2, Application US/08690473
Patent No. 5876923
GENERAL INFORMATION:
APPLICANT: Leopardi, Rosario
TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 AS AN
TITLE OF INVENTION: INHIBITOR OF APOPTOSIS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/690,473
FILING DATE: 26-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: ARCD:239
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1298 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-690-473-2

Query Match 2.3%; Score 7; DB 2; Length 1298;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 191 SASSSSS 197

RESULT 49
US-09-259-821A-2
Sequence 2, Application US/09259821A
Patent No. 6210926
GENERAL INFORMATION:
APPLICANT: LEOPARDI, ROSARIO
TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 IS AN INHIBITOR OF APOPTOSIS
FILE REFERENCE: ARCD:317
CURRENT APPLICATION NUMBER: US/09/259,821A

: CURRENT FILING DATE: 1999-03-01
 : PRIOR APPLICATION NUMBER: 08/690,473
 : PRIOR FILING DATE: 1996-07-26
 : NUMBER OF SEQ ID NOS: 2
 : SOFTWARE: PatentIn Ver. 2.1
 : SEQ ID NO 2:
 : LENGTH: 1298
 : TYPE: PRT
 : ORGANISM: HERPES VIRUS, TYPE 1
 US-09-259-821A-2

Query Match 2.3%; Score 7; DB 4; Length 1298;
 Best Local Similarity 100.0%; Pred. No. 3e+02;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 159 SASSSSS 165
 Db 191 SASSSSS 197

RESULT 50
 US-08-559-303B-78
 : Sequence 78, Application US/08559303B
 : Patent No. 5824501
 : GENERAL INFORMATION:
 : APPLICANT: NATHAN A. ELLIS, JAMES GERMAN, AND JOANNA
 : APPLICANT: GRODEN
 : TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT
 : TITLE OF INVENTION: OF BLOOM'S SYNDROME
 : NUMBER OF SEQUENCES: 78
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN
 : STREET: 90 PARK AVENUE
 : CITY: NEW YORK
 : STATE: NEW YORK
 : COUNTRY: U.S.A.
 : ZIP: 10016
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: 3.5 INCH 1.44 MB STORAGE DISKETTE
 : COMPUTER: IBM PC COMPATIBLE
 : OPERATING SYSTEM: MS-DOS
 : SOFTWARE: ASCII
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/559,303B
 : FILING DATE: NOVEMBER 15, 1995
 : ATTORNEY/AGENT INFORMATION:
 : NAME: ELIZABETH A. BOGOSIAN
 : REGISTRATION NUMBER: 39,911
 : REFERENCE/DOCKET NUMBER: 63475/65
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (212) 697-5995
 : TELEFAX: (212) 286-0854 or 286-0082
 : TELETYPE: TWX 710-581-4766
 : INFORMATION FOR SEQ ID NO: 78:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 1417
 : TYPE: AMINO ACID
 : STRANDEDNESS: SINGLE
 : TOPOLOGY: LINEAR
 : MOLECULE TYPE:
 : DESCRIPTION: OTHER NUCLEIC ACID
 : HYPOTHETICAL: YES
 : ANTI-SENSE: NO
 : FEATURE:
 : NAME/KEY:
 : LOCATION:
 : IDENTIFICATION METHOD:
 : OTHER INFORMATION:
 US-08-559-303B-78

Query Match 2.3%; Score 7; DB 2; Length 1417;

Best Local Similarity 100.0%; Pred. No. 3.3e+02;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 159 SASSSSS 165
 Db 310 SASSSSS 316

Search completed: May 23, 2001, 16:05:41
 Job time: 633 sec
